

January 4, 2013

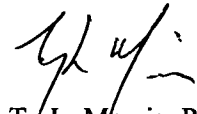
Mr. Jason Gunter
Remedial Project Manager
U.S. Environmental Protection Agency
Region 7 - Superfund Branch
901 North 5th Street
Kansas City, KS 66101

Re: The Doe Run Company – Federal Mine Tailings Site Monthly Progress Report

Dear Mr. Gunter:

As required by Article XVII, Paragraph 73 of the Administrative Order on Consent (Docket No.VII-97-F-0009) for the referenced project and on behalf of The Doe Run Company, the progress report for the period November 1, 2012 through November 30, 2012 is enclosed. If you have any questions or comments, please call me at 573-638-5020 or Mark Nations at 573-518-0800.

Sincerely,



Ty L. Morris, P.E., R.G.
Vice President

TLM/jms

Enclosure

c: Mark Nations – TDRC
Matt Wohl – TDRC (electronic only)
Martin Kator – MDNR - DSP
Kathy Rangen – MDNR - HWP
Adam Nanney – Barr Engineering

07WG



4.2

0400

Federal Mine Tailings Site
Park Hills, Missouri
Monthly Progress Report
Period: November 1, 2012 – November 30, 2012

1. Actions Performed or Completed This Period:

- a. Work continued on the task of stockpiling rock onsite. This work focused on stockpiling trail rock, Type 1 riprap, and Type 2 riprap. These rock types are being stockpiled in the northern portion of the Borrow Area as well as near the shaft rock pile. As of the end of the period, work on this task continued.
- b. Work in the Off Road Vehicle (ORV) Riding Area also continued on the Main Drainage Channel between 80+00 and 00+00. This work focused on rough grading the channel in the saturated areas to drain the surrounding areas so that it is possible to work in these areas. After initial problems with sinking equipment, work began on rough grading the ditch from the spillway back to Station 80+00 to drain some of the saturated areas. As of the end of the period, work on this task continued.
- c. Work in the ORV Riding Area also continued on covering the trails and grids that exceeded the 600 ppm action level in the portion of the ORV Riding Area included in Phase III of the fencing plan. As of the end of the period, work on this task continued.

Additional trail and grid sampling was also conducted on November 13, 2012 and November 14, 2012 for the rest of the ORV Riding Area. The results from this sampling have been received and the plan is being developed to show which areas exceed the 600 ppm lead level and need to be covered.

- d. The fence was removed from the portion of the ORV Riding Area that includes Phase I of the fencing plan and was placed around the portion of the ORV Riding Area that includes Phase III of the fencing plan. As of the end of the period, work on this task continued.
- e. Work on the task of adding additional air monitoring stations into the network of stations continued. This work focused on developing an air monitoring plan, as well as gaining access for the placement of another air monitoring station to the northeast of the Former Mill Area. As of the end of the period, access had been gained. In addition the air monitors and security fencing had been installed.

2. Data and Results Received This Period:

- a. Additional trail and grid sampling was also conducted on November 13, 2012 and November 14, 2012 for the rest of the ORV Riding Area. The results from this sampling event have been included with this progress report.

3. Planned Activities for Next Period:

- a. Work in the ORV Riding Area will continue on the task of covering the trails and grids that exceeded the 600 ppm action level in the portion of the area included in the Phase III and IV fencing plan.
- b. Work in the ORV Riding Area will continue on the Main Drainage Channel. Work in this area will focus on constructing and rocking this channel.
- c. Work will continue on the task of stockpiling trail rock, Type 1 riprap, and Type 2 riprap.
- d. Work will continue on the tasks of modifying the air monitoring plan and getting the air monitors operating.

- e The next MDNR-DSP progress meeting is planned for December 4, 2012.

4. Changes in Personnel:

- a None

5. Issues or Problems Encountered and the Resolution:

- a. None

End of Monthly Progress Report

December 13, 2012

Ty Morris
Barr Engineering Company
1001 Diamond Ridge
Suite 1100
Jefferson City, MO 65109
TEL: (573) 638-5020
FAX: (573) 638-5001



RE: Federal MTS/25/86-0006

WorkOrder: 12110813

Dear Ty Morris:

TEKLAB, INC received 185 samples on 11/17/2012 11:30:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "MLAustin".

Michael L. Austin
Project Manager
(618)344-1004 ex 16
MAustin@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	190
Dates Report	195
Quality Control Results	206
Receiving Check List	214
Chain of Custody	Appended

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated
- IDPH IL Dept of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system The acceptable recovery range is in the QC Package (provided upon request)
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in the QC Package (provided upon request)
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in the QC Package (provided upon request)
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request)
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution The reporting limit may not be less than the MDL
- RPD Relative percent difference is a calculated difference between two recoveries (ie MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request)
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes
- Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|--|---|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| E - Value above quantitation range | H - Holding times exceeded |
| M - Manual Integration used to determine area response | ND - Not Detected at the Reporting Limit |
| R - RPD outside accepted recovery limits | S - Spike Recovery outside recovery limits |
| X - Value exceeds Maximum Contaminant Level | |

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Cooler Receipt Temp: 2.4 °C

This report was revised on 12/13/12 per Terri Olson's request. The reason for the revision is to change Sample ID G20LT (Lab ID 12110813-105) to G22MT. Please replace report dated 11/26/2012 with this report. MLA 12/13/2012

Locations and Accreditations

Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	Address	3920 Pintail Dr Springfield, IL 62711-9415	Address	8421 Nieman Road Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhnley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2013	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2013	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2013	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2013	Springfield
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2013	Collinsville
Arkansas	ADEQ	88-0966		3/14/2013	Collinsville
Illinois	IDPH	17584		4/30/2013	Collinsville
Kentucky	UST	0073		5/26/2013	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2013	Collinsville

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-001

Client Sample ID: T08QT-2

Matrix: SOLID

Collection Date: 11/13/2012 16:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		993	mg/Kg-dry	1	11/20/2012 19:19	83519



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-002

Client Sample ID: T1OUT-2

Matrix: SOLID

Collection Date: 11/14/2012 8:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		415	mg/Kg-dry	1	11/20/2012 19:25	83519



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-003

Client Sample ID: T1OUT

Matrix: SOLID

Collection Date: 11/14/2012 8:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		692	mg/Kg-dry	1	11/20/2012 19:31	83519

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-004

Client Sample ID: G10QT

Matrix: SOLID

Collection Date: 11/13/2012 15:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00	S	548	mg/Kg-dry	1	11/26/2012 12:10	83598
<i>MS and/or MSD did not recover within control limits due to sample composition.</i>								



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-005

Client Sample ID: T06TT-2

Matrix: SOLID

Collection Date: 11/14/2012 7:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		1570	mg/Kg-dry	1	11/20/2012 20:07	83519

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-006

Client Sample ID: T06UT-4

Matrix: SOLID

Collection Date: 11/14/2012 8:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		1160	mg/Kg-dry	1	11/20/2012 20:13	83519

Laboratory Results

<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-007**Client Sample ID:** T14ST-2**Matrix:** SOLID**Collection Date:** 11/14/2012 10:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		558	mg/Kg-dry	1	11/20/2012 20:19	83519

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-008

Client Sample ID: DUP-5

Matrix: SOLID

Collection Date: 11/14/2012 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		1460	mg/Kg-dry	1	11/20/2012 20:25	83519

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-009

Client Sample ID: T1OUT-3

Matrix: SOLID

Collection Date: 11/14/2012 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		396	mg/Kg-dry	1	11/20/2012 20:31	83519



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-010

Client Sample ID: T06UT-3

Matrix: SOLID

Collection Date: 11/14/2012 8:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		1650	mg/Kg-dry	1	11/20/2012 13:31	83522

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-011

Client Sample ID: T08TT-2

Matrix: SOLID

Collection Date: 11/14/2012 7:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		569	mg/Kg-dry	1	11/20/2012 14:02	83522

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-012

Client Sample ID: T13UT-5

Matrix: SOLID

Collection Date: 11/14/2012 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00	S	544	mg/Kg-dry	1	11/20/2012 14:05	83522
<i>MS QC limits for Pb are not applicable due to high sample/spike ratio.</i>								

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-013

Client Sample ID: G08UT

Matrix: SOLID

Collection Date: 11/14/2012 7:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		863	mg/Kg-dry	1	11/20/2012 14:17	83522

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-014

Client Sample ID: G07UT

Matrix: SOLID

Collection Date: 11/14/2012 7:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		1000	mg/Kg-dry	1	11/20/2012 14:21	83522

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-015**Client Sample ID:** T06UT-2**Matrix:** SOLID**Collection Date:** 11/14/2012 7:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		888	mg/Kg-dry	1	11/20/2012 14:25	83522

Laboratory Results<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-016

Client Sample ID: T08UT

Matrix: SOLID

Collection Date: 11/14/2012 7:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		975	mg/Kg-dry	1	11/20/2012 14:28	83522



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-017

Client Sample ID: T07RT-2

Matrix: SOLID

Collection Date: 11/13/2012 16:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		754	mg/Kg-dry	1	11/20/2012 14:32	83522

Laboratory Results<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-018**Client Sample ID:** T08RT-2**Matrix:** SOLID**Collection Date:** 11/13/2012 16:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		444	mg/Kg-dry	1	11/20/2012 14:43	83522



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-019

Client Sample ID: T06UT-4-Depth

Matrix: SOLID

Collection Date: 11/14/2012 8:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		651	mg/Kg-dry	1	11/20/2012 14:47	83522

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-020

Client Sample ID: T08UT-Depth

Matrix: SOLID

Collection Date: 11/14/2012 7:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77	S	1390	mg/Kg-dry	1	11/26/2012 12:21	83598
MS QC limits for Pb are not applicable due to high sample/spike ratio.								

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-021**Client Sample ID:** T13UT-3**Matrix:** SOLID**Collection Date:** 11/14/2012 9:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		499	mg/Kg-dry	1	11/20/2012 15:01	83522

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-022

Client Sample ID: T13TT-6

Matrix: SOLID

Collection Date: 11/14/2012 9:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		613	mg/Kg-dry	1	11/20/2012 15:05	83522

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-023

Client Sample ID: T13UT-6

Matrix: SOLID

Collection Date: 11/14/2012 9:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		546	mg/Kg-dry	1	11/20/2012 15:09	83522

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-024

Client Sample ID: T12VT-2

Matrix: SOLID

Collection Date: 11/14/2012 9:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		712	mg/Kg-dry	1	11/20/2012 15:12	83522

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-025**Client Sample ID:** T11UT**Matrix:** SOLID**Collection Date:** 11/14/2012 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		618	mg/Kg-dry	1	11/20/2012 15:23	83522

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-026

Client Sample ID: T13UT-2

Matrix: SOLID

Collection Date: 11/14/2012 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		525	mg/Kg-dry	1	11/20/2012 15:34	83522

Laboratory Results

<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-027**Client Sample ID:** T13UT-4**Matrix:** SOLID**Collection Date:** 11/14/2012 9:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		576	mg/Kg-dry	1	11/20/2012 15:38	83522

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-028

Client Sample ID: DUP-7

Matrix: SOLID

Collection Date: 11/14/2012 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		559	mg/Kg-dry	1	11/20/2012 15:42	83522

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-029

Client Sample ID: T12ST-3

Matrix: SOLID

Collection Date: 11/14/2012 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		493	mg/Kg-dry	1	11/20/2012 15:45	83522

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-030

Client Sample ID: T15ST-3

Matrix: SOLID

Collection Date: 11/14/2012 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		438	mg/Kg-dry	1	11/20/2012 16:00	83523

Laboratory Results

<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-031**Client Sample ID:** T10RT-3**Matrix:** SOLID**Collection Date:** 11/14/2012 13:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		660	mg/Kg-dry	1	11/20/2012 16:04	83523

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-032

Client Sample ID: T12RT-2

Matrix: SOLID

Collection Date: 11/14/2012 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		649	mg/Kg-dry	1	11/20/2012 16:18	83523

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-033**Client Sample ID:** DUP-8**Matrix:** SOLID**Collection Date:** 11/14/2012 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		550	mg/Kg-dry	1	11/20/2012 16:22	83523

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-034

Client Sample ID: T14RT-3

Matrix: SOLID

Collection Date: 11/14/2012 13:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		496	mg/Kg-dry	1	11/20/2012 16:26	83523

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-035

Client Sample ID: T10RT-2

Matrix: SOLID

Collection Date: 11/14/2012 14:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		588	mg/Kg-dry	1	11/20/2012 16:29	83523

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-036

Client Sample ID: T15ST-2

Matrix: SOLID

Collection Date: 11/14/2012 13:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		599	mg/Kg-dry	1	11/20/2012 16:33	83523

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-037

Client Sample ID: T15RT-2

Matrix: SOLID

Collection Date: 11/14/2012 13:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		590	mg/Kg-dry	1	11/20/2012 16:37	83523

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-038

Client Sample ID: T15ST-3-Depth

Matrix: SOLID

Collection Date: 11/14/2012 13:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		586	mg/Kg-dry	1	11/20/2012 16:40	83523

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-039**Client Sample ID:** T14TT-3-Depth**Matrix:** SOLID**Collection Date:** 11/14/2012 14:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		639	mg/Kg-dry	1	11/20/2012 16:44	83523



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-040

Client Sample ID: T10ST-Depth

Matrix: SOLID

Collection Date: 11/14/2012 14:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		1100	mg/Kg-dry	1	11/20/2012 16:48	83523

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-041

Client Sample ID: T11ST-2

Matrix: SOLID

Collection Date: 11/14/2012 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		728	mg/Kg-dry	1	11/20/2012 16:51	83523

Laboratory Results<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-042**Client Sample ID:** T12ST-4**Matrix:** SOLID**Collection Date:** 11/14/2012 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		592	mg/Kg-dry	1	11/20/2012 17:03	83523

Laboratory Results

<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-043**Client Sample ID:** T11ST-4**Matrix:** SOLID**Collection Date:** 11/14/2012 11:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		668	mg/Kg-dry	1	11/20/2012 17:06	83523

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-044

Client Sample ID: T13ST-2

Matrix: SOLID

Collection Date: 11/14/2012 10:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92	S	571	mg/Kg-dry	1	11/20/2012 17:10	83523
<i>MS QC limits for Pb are not applicable due to high sample/spike ratio.</i>								

Laboratory Results

<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-045**Client Sample ID:** T12TT-2**Matrix:** SOLID**Collection Date:** 11/14/2012 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		594	mg/Kg-dry	1	11/20/2012 17:21	83523

Laboratory Results<http://www.teklabinclab.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-046**Client Sample ID:** T11TT-4**Matrix:** SOLID**Collection Date:** 11/14/2012 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		1210	mg/Kg-dry	1	11/20/2012 17:25	83523

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-047

Client Sample ID: T15UT

Matrix: SOLID

Collection Date: 11/14/2012 10:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		484	mg/Kg-dry	1	11/20/2012 17:28	83523

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-048

Client Sample ID: T13TT-4

Matrix: SOLID

Collection Date: 11/14/2012 10:22

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92	S	608	mg/Kg-dry	1	11/20/2012 17:32	83523
MS QC limits for Pb are not applicable due to high sample/spike ratio.								

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-049

Client Sample ID: T13TT-2

Matrix: SOLID

Collection Date: 11/14/2012 10:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		632	mg/Kg-dry	1	11/20/2012 17:50	83523

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-050

Client Sample ID: T14ST-2-Depth

Matrix: SOLID

Collection Date: 11/14/2012 10:24

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		751	mg/Kg-dry	1	11/20/2012 18:05	83524

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-051

Client Sample ID: T11ST3

Matrix: SOLID

Collection Date: 11/14/2012 11:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		717	mg/Kg-dry	1	11/20/2012 18:09	83524

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-052

Client Sample ID: G15ST

Matrix: SOLID

Collection Date: 11/14/2012 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77	S	677	mg/Kg-dry	1	11/20/2012 18:13	83524
<i>MS QC limits for Pb are not applicable due to high sample/spike ratio.</i>								



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-053

Client Sample ID: T10ST-3

Matrix: SOLID

Collection Date: 11/14/2012 11:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		598	mg/Kg-dry	1	11/20/2012 18:31	83524

Laboratory Results<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-054

Client Sample ID: T10ST

Matrix: SOLID

Collection Date: 11/14/2012 13:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92	-	469	mg/Kg-dry	1	11/20/2012 18:35	83524

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-055

Client Sample ID: T13RT-2

Matrix: SOLID

Collection Date: 11/14/2012 13:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		673	mg/Kg-dry	1	11/20/2012 18:38	83524

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-056

Client Sample ID: T13ST-3

Matrix: SOLID

Collection Date: 11/14/2012 10:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		703	mg/Kg-dry	1	11/20/2012 18:42	83524



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-057

Client Sample ID: T14TT-2

Matrix: SOLID

Collection Date: 11/14/2012 10:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		685	mg/Kg-dry	1	11/20/2012 18:46	83524

Laboratory Results<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-058

Client Sample ID: T11TT-2

Matrix: SOLID

Collection Date: 11/14/2012 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92	S	816	mg/Kg-dry	1	11/20/2012 18:49	83524
<i>MS QC limits for Pb are not applicable due to high sample/spike ratio.</i>								

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-059**Client Sample ID:** DUP-6**Matrix:** SOLID**Collection Date:** 11/14/2012 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		467	mg/Kg-dry	1	11/20/2012 19:00	83524

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-060

Client Sample ID: T13RT-2-Depth

Matrix: SOLID

Collection Date: 11/14/2012 13:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		623	mg/Kg-dry	1	11/20/2012 19:04	83524

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-061

Client Sample ID: G240T

Matrix: SOLID

Collection Date: 11/13/2012 13:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		1240	mg/Kg-dry	1	11/20/2012 19:15	83524

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-062**Client Sample ID:** T03ST-2**Matrix:** SOLID**Collection Date:** 11/13/2012 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		839	mg/Kg-dry	1	11/20/2012 19:19	83524

Laboratory Results

<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-063**Client Sample ID:** T03UT-3**Matrix:** SOLID**Collection Date:** 11/13/2012 11:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		1030	mg/Kg-dry	1	11/20/2012 19:22	83524

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-064

Client Sample ID: T02RT-2

Matrix: SOLID

Collection Date: 11/13/2012 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		1140	mg/Kg-dry	1	11/20/2012 19:26	83524

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-065

Client Sample ID: T21MT-2

Matrix: SOLID

Collection Date: 11/13/2012 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		734	mg/Kg-dry	1	11/20/2012 19:30	83524

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-066

Client Sample ID: T02PT

Matrix: SOLID

Collection Date: 11/13/2012 7:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		603	mg/Kg-dry	1	11/20/2012 19:33	83524



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-067

Client Sample ID: T04TT-2

Matrix: SOLID

Collection Date: 11/13/2012 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		896	mg/Kg-dry	1	11/20/2012 19:37	83524

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-068

Client Sample ID: T09OT-3

Matrix: SOLID

Collection Date: 11/13/2012 15:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		925	mg/Kg-dry	1	11/20/2012 19:41	83524

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-069**Client Sample ID:** T21NT**Matrix:** SOLID**Collection Date:** 11/13/2012 12:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		775	mg/Kg-dry	1	11/20/2012 19:44	83524

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-070

Client Sample ID: T19MT-3

Matrix: SOLID

Collection Date: 11/13/2012 12:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		947	mg/Kg-dry	1	11/20/2012 20:06	83529

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-071**Client Sample ID:** T01PT**Matrix:** SOLID**Collection Date:** 11/13/2012 7:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		791	mg/Kg-dry	1	11/20/2012 20:10	83529

Laboratory Results<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-072**Client Sample ID:** T02RT-4**Matrix:** SOLID**Collection Date:** 11/13/2012 9:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		433	mg/Kg-dry	1	11/20/2012 20:14	83529

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-073**Client Sample ID:** T01PT-3**Matrix:** SOLID**Collection Date:** 11/13/2012 7:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00	S	676	mg/Kg-dry	1	11/20/2012 20:17	83529
<i>MS QC limits for Pb are not applicable due to high sample/spike ratio.</i>								

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-074

Client Sample ID: T03UT-4

Matrix: SOLID

Collection Date: 11/13/2012 11:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		800	mg/Kg-dry	1	11/20/2012 20:28	83529

Laboratory Results

<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-075**Client Sample ID:** T04UT**Matrix:** SOLID**Collection Date:** 11/13/2012 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		1040	mg/Kg-dry	1	11/20/2012 20:32	83529

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-076

Client Sample ID: T21NT-3

Matrix: SOLID

Collection Date: 11/13/2012 12:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		1240	mg/Kg-dry	1	11/20/2012 20:43	83529

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-077**Client Sample ID:** T21MT-3**Matrix:** SOLID**Collection Date:** 11/13/2012 12:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		497	mg/Kg-dry	1	11/20/2012 20:47	83529

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-078

Client Sample ID: T03UT-6

Matrix: SOLID

Collection Date: 11/13/2012 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		521	mg/Kg-dry	1	11/20/2012 20:50	83529

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-079

Client Sample ID: T03PT-3-Depth

Matrix: SOLID

Collection Date: 11/13/2012 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		423	mg/Kg-dry	1	11/20/2012 20:54	83529

Laboratory Results

<http://www.teklabinclab.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-080

Client Sample ID: T160T-2-Depth

Matrix: SOLID

Collection Date: 11/13/2012 13:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		4980	mg/Kg-dry	1	11/20/2012 20:58	83529

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-081

Client Sample ID: T03PT-2

Matrix: SOLID

Collection Date: 11/13/2012 8:28

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		826	mg/Kg-dry	1	11/20/2012 21:01	83529

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-082

Client Sample ID: T02QT-2

Matrix: SOLID

Collection Date: 11/13/2012 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		1050	mg/Kg-dry	1	11/20/2012 21:05	83529

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-083

Client Sample ID: G16QT

Matrix: SOLID

Collection Date: 11/13/2012 14:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		1290	mg/Kg-dry	1	11/20/2012 21:09	83529

Laboratory Results<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-084**Client Sample ID:** T14OT-2**Matrix:** SOLID**Collection Date:** 11/13/2012 14:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		730	mg/Kg-dry	1	11/20/2012 21:12	83529

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-085

Client Sample ID: T22NT-2

Matrix: SOLID

Collection Date: 11/13/2012 12:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		525	mg/Kg-dry	1	11/20/2012 21:16	83529

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-086

Client Sample ID: T08PT

Matrix: SOLID

Collection Date: 11/13/2012 15:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		928	mg/Kg-dry	1	11/20/2012 21:27	83529

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-087

Client Sample ID: T08PT-3

Matrix: SOLID

Collection Date: 11/13/2012 15:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		940	mg/Kg-dry	1	11/20/2012 21:31	83529

Laboratory Results<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-088

Client Sample ID: T09PT-3

Matrix: SOLID

Collection Date: 11/13/2012 15:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64	S	820	mg/Kg-dry	1	11/20/2012 21:35	83529
<i>MS QC limits for Pb are not applicable due to high sample/spike ratio.</i>								

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-089**Client Sample ID:** T09OT-2**Matrix:** SOLID**Collection Date:** 11/13/2012 15:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		530	mg/Kg-dry	1	11/20/2012 21:46	83529

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-090

Client Sample ID: G02RT

Matrix: SOLID

Collection Date: 11/13/2012 9:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92	S	492	mg/Kg-dry	1	11/21/2012 1:12	83530
<i>MS QC limits for Pb are not applicable due to high sample/spike ratio.</i>								

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-091**Client Sample ID:** G09QT**Matrix:** SOLID**Collection Date:** 11/13/2012 16:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		565	mg/Kg-dry	1	11/21/2012 1:30	83530

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-092

Client Sample ID: T21NT-4

Matrix: SOLID

Collection Date: 11/13/2012 12:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		663	mg/Kg-dry	1	11/21/2012 1:36	83530

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-093

Client Sample ID: T09OT-5

Matrix: SOLID

Collection Date: 11/13/2012 15:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64	S	651	mg/Kg-dry	1	11/21/2012 1:42	83530
MS QC limits for Pb are not applicable due to high sample/spike ratio.								

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-094

Client Sample ID: G16OT

Matrix: SOLID

Collection Date: 11/13/2012 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		814	mg/Kg-dry	1	11/21/2012 2:00	83530

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-095**Client Sample ID:** T09PT-4**Matrix:** SOLID**Collection Date:** 11/13/2012 15:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		675	mg/Kg-dry	1	11/21/2012 2:06	83530

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-096

Client Sample ID: T08OT-4

Matrix: SOLID

Collection Date: 11/13/2012 15:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		725	mg/Kg-dry	1	11/21/2012 2:12	83530



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-097

Client Sample ID: T09OT-4

Matrix: SOLID

Collection Date: 11/13/2012 15:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		561	mg/Kg-dry	1	11/21/2012 2:18	83530

Laboratory Results

<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-098**Client Sample ID:** DUP-3**Matrix:** SOLID**Collection Date:** 11/13/2012 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		959	mg/Kg-dry	1	11/21/2012 2:24	83530



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-099

Client Sample ID: G20LT-Depth

Matrix: SOLID

Collection Date: 11/13/2012 12:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		733	mg/Kg-dry	1	11/21/2012 2:30	83530

Laboratory Results<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-100

Client Sample ID: T04UT-Dept

Matrix: SOLID

Collection Date: 11/13/2012 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		626	mg/Kg-dry	1	11/21/2012 2:36	83530



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-101

Client Sample ID: T02PT-2

Matrix: SOLID

Collection Date: 11/13/2012 7:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		610	mg/Kg-dry	1	11/21/2012 2:42	83530

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-102

Client Sample ID: T02OT-3

Matrix: SOLID

Collection Date: 11/13/2012 8:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		482	mg/Kg-dry	1	11/21/2012 2:48	83530



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-103

Client Sample ID: T04QT-2

Matrix: SOLID

Collection Date: 11/13/2012 8:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		663	mg/Kg-dry	1	11/21/2012 2:54	83530

Laboratory Results<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-104**Client Sample ID:** T02TT-2**Matrix:** SOLID**Collection Date:** 11/13/2012 9:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		453	mg/Kg-dry	1	11/21/2012 3:12	83530

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-105

Client Sample ID: G22MT

Matrix: SOLID

Collection Date: 11/13/2012 12:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		1050	mg/Kg-dry	1	11/21/2012 3:18	83530

Laboratory Results<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-106

Client Sample ID: T05QT-2

Matrix: SOLID

Collection Date: 11/13/2012 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		673	mg/Kg-dry	1	11/21/2012 3:24	83530

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-107**Client Sample ID:** T19MT**Matrix:** SOLID**Collection Date:** 11/13/2012 12:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		660	mg/Kg-dry	1	11/21/2012 3:30	83530

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-108

Client Sample ID: T05VT-2

Matrix: SOLID

Collection Date: 11/13/2012 11:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		814	mg/Kg-dry	1	11/21/2012 3:36	83530

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-109

Client Sample ID: T01QT

Matrix: SOLID

Collection Date: 11/13/2012 8:42

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		1190	mg/Kg-dry	1	11/21/2012 3:42	83530



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-110

Client Sample ID: T02ST-2-Depth

Matrix: SOLID

Collection Date: 11/13/2012 10:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		948	mg/Kg-dry	1	11/21/2012 18:39	83533

Laboratory Results<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-111**Client Sample ID:** DUP-2**Matrix:** SOLID**Collection Date:** 11/13/2012 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		803	mg/Kg-dry	1	11/21/2012 18:57	83533



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-112

Client Sample ID: T09PT-2

Matrix: SOLID

Collection Date: 11/13/2012 15:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		753	mg/Kg-dry	1	11/21/2012 19:03	83533

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-113

Client Sample ID: T03RT-4

Matrix: SOLID

Collection Date: 11/13/2012 9:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		1120	mg/Kg-dry	1	11/21/2012 19:09	83533

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-114

Client Sample ID: G20LT

Matrix: SOLID

Collection Date: 11/13/2012 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		5630	mg/Kg-dry	1	11/21/2012 19:15	83533



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-115

Client Sample ID: T22NT-3

Matrix: SOLID

Collection Date: 11/13/2012 12:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		1060	mg/Kg-dry	1	11/21/2012 19:21	83533



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-116

Client Sample ID: T08PT-2

Matrix: SOLID

Collection Date: 11/13/2012 15:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		773	mg/Kg-dry	1	11/21/2012 19:27	83533

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-117

Client Sample ID: T01OT

Matrix: SOLID

Collection Date: 11/13/2012 7:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		678	mg/Kg-dry	1	11/21/2012 19:33	83533

Laboratory Results<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-118

Client Sample ID: G02QT

Matrix: SOLID

Collection Date: 11/13/2012 8:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		467	mg/Kg-dry	1	11/21/2012 19:39	83533

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-119

Client Sample ID: T02OT-2

Matrix: SOLID

Collection Date: 11/13/2012 7:58

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		438	mg/Kg-dry	1	11/21/2012 19:45	83533

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-120

Client Sample ID: T02PT-3

Matrix: SOLID

Collection Date: 11/13/2012 7:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		757	mg/Kg-dry	1	11/21/2012 19:51	83533

Laboratory Results

<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-121**Client Sample ID:** T08ST**Matrix:** SOLID**Collection Date:** 11/13/2012 15:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		576	mg/Kg-dry	1	11/21/2012 20:09	83533

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-122

Client Sample ID: TO8TT

Matrix: SOLID

Collection Date: 11/13/2012 16:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		548	mg/Kg-dry	1	11/21/2012 20:15	83533



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-123

Client Sample ID: T22NT

Matrix: SOLID

Collection Date: 11/13/2012 12:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		612	mg/Kg-dry	1	11/21/2012 10:19	83536

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-124

Client Sample ID: DUP-1

Matrix: SOLID

Collection Date: 11/13/2012 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		828	mg/Kg-dry	1	11/21/2012 10:22	83536

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-125**Client Sample ID:** T100T-2**Matrix:** SOLID**Collection Date:** 11/13/2012 14:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		495	mg/Kg-dry	1	11/21/2012 10:26	83536



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-126

Client Sample ID: T03UT-5

Matrix: SOLID

Collection Date: 11/13/2012 11:22

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		1070	mg/Kg-dry	1	11/21/2012 10:30	83536

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-127

Client Sample ID: T14OT-3

Matrix: SOLID

Collection Date: 11/13/2012 14:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		707	mg/Kg-dry	1	11/21/2012 10:33	83536

Laboratory Results<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-128**Client Sample ID:** T16OT-2**Matrix:** SOLID**Collection Date:** 11/13/2012 13:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		1140	mg/Kg-dry	1	11/21/2012 10:37	83536



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-129

Client Sample ID: DUP-4

Matrix: SOLID

Collection Date: 11/13/2012 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		853	mg/Kg-dry	1	11/21/2012 10:48	83536

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-130

Client Sample ID: G16OT-Depth

Matrix: SOLID

Collection Date: 11/13/2012 13:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		1010	mg/Kg-dry	1	11/21/2012 10:52	83536

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-131

Client Sample ID: T09UT-3

Matrix: SOLID

Collection Date: 11/13/2012 16:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		495	mg/Kg-dry	1	11/21/2012 10:56	83536

Laboratory Results<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-132

Client Sample ID: T09UT-2

Matrix: SOLID

Collection Date: 11/13/2012 16:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		687	mg/Kg-dry	1	11/21/2012 10:59	83536



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-133

Client Sample ID: T08ST-2

Matrix: SOLID

Collection Date: 11/13/2012 17:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		682	mg/Kg-dry	1	11/21/2012 11:03	83536

Laboratory Results<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-134

Client Sample ID: T08RT-4

Matrix: SOLID

Collection Date: 11/13/2012 16:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		877	mg/Kg-dry	1	11/21/2012 11:07	83536

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-135

Client Sample ID: T08ST-4

Matrix: SOLID

Collection Date: 11/13/2012 16:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		619	mg/Kg-dry	1	11/21/2012 11:10	83536

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-136

Client Sample ID: T02OT

Matrix: SOLID

Collection Date: 11/13/2012 7:52

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		682	mg/Kg-dry	1	11/21/2012 11:14	83536



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-137

Client Sample ID: T03UT-2

Matrix: SOLID

Collection Date: 11/13/2012 11:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		853	mg/Kg-dry	1	11/21/2012 11:18	83536

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-138

Client Sample ID: T08ST-3

Matrix: SOLID

Collection Date: 11/13/2012 16:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		640	mg/Kg-dry	1	11/21/2012 11:21	83536



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-139

Client Sample ID: T09TT

Matrix: SOLID

Collection Date: 11/13/2012 16:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		569	mg/Kg-dry	1	11/21/2012 11:32	83536

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-140

Client Sample ID: T09UT

Matrix: SOLID

Collection Date: 11/13/2012 16:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		560	mg/Kg-dry	1	11/21/2012 11:36	83536

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-141**Client Sample ID:** T08RT-3**Matrix:** SOLID**Collection Date:** 11/13/2012 16:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		828	mg/Kg-dry	1	11/21/2012 12:20	83545

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-142

Client Sample ID: G10PT

Matrix: SOLID

Collection Date: 11/13/2012 15:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		629	mg/Kg-dry	1	11/21/2012 12:24	83545

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-143

Client Sample ID: T07QT-2

Matrix: SOLID

Collection Date: 11/13/2012 16:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		1110	mg/Kg-dry	1	11/21/2012 12:27	83545

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-144

Client Sample ID: T08RT

Matrix: SOLID

Collection Date: 11/13/2012 16:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		632	mg/Kg-dry	1	11/21/2012 12:31	83545

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-145

Client Sample ID: T11UT-3

Matrix: SOLID

Collection Date: 11/14/2012 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		462	mg/Kg-dry	1	11/21/2012 12:35	83545

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-146

Client Sample ID: T12UT-4

Matrix: SOLID

Collection Date: 11/14/2012 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		552	mg/Kg-dry	1	11/21/2012 12:38	83545

Laboratory Results

<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-147**Client Sample ID:** T07UT-2**Matrix:** SOLID**Collection Date:** 11/14/2012 7:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		990	mg/Kg-dry	1	11/21/2012 12:42	83545

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-148

Client Sample ID: T14TT-3

Matrix: SOLID

Collection Date: 11/14/2012 10:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		547	mg/Kg-dry	1	11/21/2012 12:46	83545



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-149

Client Sample ID: T11UT-2

Matrix: SOLID

Collection Date: 11/14/2012 9:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		622	mg/Kg-dry	1	11/21/2012 12:50	83545

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-150

Client Sample ID: T14UT-3

Matrix: SOLID

Collection Date: 11/14/2012 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		533	mg/Kg-dry	1	11/21/2012 13:01	83545



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-151

Client Sample ID: T11VT-2

Matrix: SOLID

Collection Date: 11/14/2012 8:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		493	mg/Kg-dry	1	11/21/2012 13:04	83545

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-152

Client Sample ID: T13TT-3

Matrix: SOLID

Collection Date: 11/14/2012 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		597	mg/Kg-dry	1	11/21/2012 13:08	83545

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-153**Client Sample ID:** T12UT-2**Matrix:** SOLID**Collection Date:** 11/14/2012 9:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		706	mg/Kg-dry	1	11/21/2012 13:12	83545

Laboratory Results<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-154

Client Sample ID: T12TT-3

Matrix: SOLID

Collection Date: 11/14/2012 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		439	mg/Kg-dry	1	11/21/2012 13:15	83545

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-155**Client Sample ID:** T12UT-3**Matrix:** SOLID**Collection Date:** 11/14/2012 9:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		455	mg/Kg-dry	1	11/21/2012 13:19	83545

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-156

Client Sample ID: T11TT-3

Matrix: SOLID

Collection Date: 11/14/2012 10:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		649	mg/Kg-dry	1	11/21/2012 13:23	83545

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-157

Client Sample ID: T13TT-5

Matrix: SOLID

Collection Date: 11/14/2012 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		562	mg/Kg-dry	1	11/21/2012 13:26	83545

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-158

Client Sample ID: T12ST-2

Matrix: SOLID

Collection Date: 11/14/2012 10:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		774	mg/Kg-dry	1	11/21/2012 13:30	83545

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-159**Client Sample ID:** T14UT-2**Matrix:** SOLID**Collection Date:** 11/14/2012 10:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		405	mg/Kg-dry	1	11/21/2012 14:14	83559

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-160

Client Sample ID: T11UT-2-Depth

Matrix: SOLID

Collection Date: 11/14/2012 8:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		832	mg/Kg-dry	1	11/21/2012 14:18	83559

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-161**Client Sample ID:** T03RT-2**Matrix:** SOLID**Collection Date:** 11/13/2012 9:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		594	mg/Kg-dry	1	11/21/2012 14:29	83559

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-162

Client Sample ID: T05UT-2

Matrix: SOLID

Collection Date: 11/13/2012 11:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		961	mg/Kg-dry	1	11/21/2012 14:33	83559

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-163**Client Sample ID:** T16OT**Matrix:** SOLID**Collection Date:** 11/13/2012 13:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		582	mg/Kg-dry	1	11/21/2012 14:36	83559

Laboratory Results<http://www.teklabin.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-164**Client Sample ID:** T21MT**Matrix:** SOLID**Collection Date:** 11/13/2012 12:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		847	mg/Kg-dry	1	11/21/2012 14:40	83559

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-165**Client Sample ID:** T01PT-2**Matrix:** SOLID**Collection Date:** 11/13/2012 7:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		776	mg/Kg-dry	1	11/21/2012 14:44	83559

Laboratory Results<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-166

Client Sample ID: T15OT-2

Matrix: SOLID

Collection Date: 11/13/2012 14:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		647	mg/Kg-dry	1	11/21/2012 14:51	83559

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-167

Client Sample ID: TO2PT-4

Matrix: SOLID

Collection Date: 11/13/2012 7:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		692	mg/Kg-dry	1	11/21/2012 14:55	83559

Laboratory Results<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-168

Client Sample ID: T15OT

Matrix: SOLID

Collection Date: 11/13/2012 14:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		771	mg/Kg-dry	1	11/21/2012 14:58	83559



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-169

Client Sample ID: T03PT-3

Matrix: SOLID

Collection Date: 11/13/2012 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		526	mg/Kg-dry	1	11/21/2012 15:02	83559

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-170

Client Sample ID: T21MT-3-Depth

Matrix: SOLID

Collection Date: 11/13/2012 13:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		519	mg/Kg-dry	1	11/21/2012 15:18	83559

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-171

Client Sample ID: T03RT-3

Matrix: SOLID

Collection Date: 11/13/2012 9:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		516	mg/Kg-dry	1	11/21/2012 15:21	83559

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-172

Client Sample ID: T06RT-2

Matrix: SOLID

Collection Date: 11/13/2012 9:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		880	mg/Kg-dry	1	11/21/2012 15:25	83559

Laboratory Results<http://www.teklabinc.com/>**Client:** Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-173**Client Sample ID:** G030T**Matrix:** SOLID**Collection Date:** 11/13/2012 7:54

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		851	mg/Kg-dry	1	11/21/2012 15:29	83559

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-174

Client Sample ID: T04UT-2

Matrix: SOLID

Collection Date: 11/13/2012 11:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		723	mg/Kg-dry	1	11/21/2012 15:32	83559

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-175

Client Sample ID: T02ST-2

Matrix: SOLID

Collection Date: 11/13/2012 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85	S	735	mg/Kg-dry	1	11/21/2012 20:21	83533
<i>MS QC limits for Pb are not applicable due to high sample/spike ratio.</i>								

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-176

Client Sample ID: T14ST

Matrix: SOLID

Collection Date: 11/14/2012 13:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00	S	760	mg/Kg-dry	1	11/21/2012 11:40	83536
MS QC limits for Pb are not applicable due to high sample/spike ratio.								

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-177**Client Sample ID:** T14RT-2**Matrix:** SOLID**Collection Date:** 11/14/2012 13:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70	S	483	mg/Kg-dry	1	11/21/2012 11:51	83536
<i>MS QC limits for Pb are not applicable due to high sample/spike ratio.</i>								

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-178

Client Sample ID: T05KT

Matrix: SOLID

Collection Date: 11/14/2012 14:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92	S	1020	mg/Kg-dry	1	11/21/2012 13:34	83545
<i>MS QC limits for Pb are not applicable due to high sample/spike ratio.</i>								

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-179**Client Sample ID:** T14TT**Matrix:** SOLID**Collection Date:** 11/14/2012 10:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85	S	739	mg/Kg-dry	1	11/21/2012 13:52	83545
<i>MS QC limits for Pb are not applicable due to high sample/spike ratio.</i>								

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-180

Client Sample ID: T10ST-2

Matrix: SOLID

Collection Date: 11/14/2012 11:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85	S	623	mg/Kg-dry	1	11/21/2012 16:32	83570
<i>MS QC limits for Pb are not applicable due to high sample/spike ratio.</i>								



Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-181

Client Sample ID: T02RT-3

Matrix: SOLID

Collection Date: 11/13/2012 10:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92	S	860	mg/Kg-dry	1	11/21/2012 15:36	83559
MS QC limits for Pb not applicable due to high sample/spike ratio.								

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-182

Client Sample ID: T07PT-2

Matrix: SOLID

Collection Date: 11/13/2012 15:08

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77	S	862	mg/Kg-dry	1	11/21/2012 15:52	83559
MS QC limits for Pb not applicable due to high sample/spike ratio.								

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-183

Client Sample ID: T21NT-2

Matrix: SOLID

Collection Date: 11/13/2012 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92	S	599	mg/Kg-dry	1	11/21/2012 16:10	83559
<i>MS QC limits for Pb not applicable due to high sample/spike ratio.</i>								

Laboratory Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab ID: 12110813-184

Client Sample ID: T14OT

Matrix: SOLID

Collection Date: 11/13/2012 14:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85	S	577	mg/Kg-dry	1	11/21/2012 16:51	83570
MS QC limits for Pb are not applicable due to high sample/spike ratio.								

Client: Barr Engineering Company**Work Order:** 12110813**Client Project:** Federal MTS/25/86-0006**Report Date:** 13-Dec-12**Lab ID:** 12110813-185**Client Sample ID:** T12UT**Matrix:** SOLID**Collection Date:** 11/14/2012 9:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92	S	339	mg/Kg-dry	1	11/21/2012 20:57	83572
<i>MS QC limits for Pb are not applicable due to high sample/spike ratio.</i>								

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
12110813-001	T08QT-2	Solid	2	11/13/2012 16:05
12110813-002	T1OUT-2	Solid	2	11/14/2012 8:45
12110813-003	T1OUT	Solid	2	11/14/2012 8:50
12110813-004	G10QT	Solid	2	11/13/2012 15:50
12110813-005	T06TT-2	Solid	2	11/14/2012 7:50
12110813-006	T06UT-4	Solid	2	11/14/2012 8:00
12110813-007	T14ST-2	Solid	2	11/14/2012 10:10
12110813-008	DUP-5	Solid	2	11/14/2012 0:00
12110813-009	T1OUT-3	Solid	2	11/14/2012 8:40
12110813-010	T06UT-3	Solid	2	11/14/2012 8:05
12110813-011	T08TT-2	Solid	2	11/14/2012 7:30
12110813-012	T13UT-5	Solid	2	11/14/2012 9:30
12110813-013	G08UT	Solid	2	11/14/2012 7:20
12110813-014	G07UT	Solid	2	11/14/2012 7:50
12110813-015	T06UT-2	Solid	2	11/14/2012 7:55
12110813-016	T08UT	Solid	2	11/14/2012 7:25
12110813-017	T07RT-2	Solid	2	11/13/2012 16:15
12110813-018	T08RT-2	Solid	2	11/13/2012 16:25
12110813-019	T06UT-4-Depth	Solid	2	11/14/2012 8:10
12110813-020	T08UT-Depth	Solid	2	11/14/2012 7:35
12110813-021	T13UT-3	Solid	2	11/14/2012 9:35
12110813-022	T13TT-6	Solid	2	11/14/2012 9:55
12110813-023	T13UT-6	Solid	2	11/14/2012 9:25
12110813-024	T12VT-2	Solid	2	11/14/2012 9:05
12110813-025	T11UT	Solid	2	11/14/2012 9:40
12110813-026	T13UT-2	Solid	2	11/14/2012 9:50
12110813-027	T13UT-4	Solid	2	11/14/2012 9:45
12110813-028	DUP-7	Solid	2	11/14/2012 0:00
12110813-029	T12ST-3	Solid	2	11/14/2012 10:40
12110813-030	T15ST-3	Solid	2	11/14/2012 13:00
12110813-031	T10RT-3	Solid	2	11/14/2012 13:55
12110813-032	T12RT-2	Solid	2	11/14/2012 13:50
12110813-033	DUP-8	Solid	2	11/14/2012 0:00
12110813-034	T14RT-3	Solid	2	11/14/2012 13:30
12110813-035	T10RT-2	Solid	2	11/14/2012 14:10
12110813-036	T15ST-2	Solid	2	11/14/2012 13:05
12110813-037	T15RT-2	Solid	2	11/14/2012 13:15
12110813-038	T15ST-3-Depth	Solid	2	11/14/2012 13:10
12110813-039	T14TT-3-Depth	Solid	2	11/14/2012 14:30

Sample Summary

<http://www.teklabinc.com/>
Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
12110813-040	T10ST-Depth	Solid	2	11/14/2012 14:00
12110813-041	T11ST-2	Solid	2	11/14/2012 10:50
12110813-042	T12ST-4	Solid	2	11/14/2012 10:45
12110813-043	T11ST-4	Solid	2	11/14/2012 11:00
12110813-044	T13ST-2	Solid	2	11/14/2012 10:15
12110813-045	T12TT-2	Solid	2	11/14/2012 10:30
12110813-046	T11TT-4	Solid	2	11/14/2012 10:00
12110813-047	T15UT	Solid	2	11/14/2012 10:10
12110813-048	T13TT-4	Solid	2	11/14/2012 10:22
12110813-049	T13TT-2	Solid	2	11/14/2012 10:20
12110813-050	T14ST-2-Depth	Solid	2	11/14/2012 10:24
12110813-051	T11ST3	Solid	2	11/14/2012 11:05
12110813-052	G15ST	Solid	2	11/14/2012 11:20
12110813-053	T10ST-3	Solid	2	11/14/2012 11:10
12110813-054	T10ST	Solid	2	11/14/2012 13:55
12110813-055	T13RT-2	Solid	2	11/14/2012 13:40
12110813-056	T13ST-3	Solid	2	11/14/2012 10:05
12110813-057	T14TT-2	Solid	2	11/14/2012 10:20
12110813-058	T11TT-2	Solid	2	11/14/2012 10:40
12110813-059	DUP-6	Solid	2	11/14/2012 0:00
12110813-060	T13RT-2-Depth	Solid	2	11/14/2012 13:45
12110813-061	G24OT	Solid	2	11/13/2012 13:20
12110813-062	T03ST-2	Solid	2	11/13/2012 9:50
12110813-063	T03UT-3	Solid	2	11/13/2012 11:05
12110813-064	T02RT-2	Solid	2	11/13/2012 9:30
12110813-065	T21MT-2	Solid	2	11/13/2012 12:30
12110813-066	T02PT	Solid	2	11/13/2012 7:25
12110813-067	T04TT-2	Solid	2	11/13/2012 9:40
12110813-068	T09OT-3	Solid	2	11/13/2012 15:40
12110813-069	T21NT	Solid	2	11/13/2012 12:40
12110813-070	T19MT-3	Solid	2	11/13/2012 12:10
12110813-071	T01PT	Solid	2	11/13/2012 7:38
12110813-072	T02RT-4	Solid	2	11/13/2012 9:45
12110813-073	T01PT-3	Solid	2	11/13/2012 7:28
12110813-074	T03UT-4	Solid	2	11/13/2012 11:15
12110813-075	T04UT	Solid	2	11/13/2012 10:45
12110813-076	T21NT-3	Solid	2	11/13/2012 12:55
12110813-077	T21MT-3	Solid	2	11/13/2012 12:25
12110813-078	T03UT-6	Solid	2	11/13/2012 11:20

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
12110813-079	T03PT-3-Depth	Solid	2	11/13/2012 8:40
12110813-080	T160T-2-Depth	Solid	2	11/13/2012 13:45
12110813-081	T03PT-2	Solid	2	11/13/2012 8:28
12110813-082	T02QT-2	Solid	2	11/13/2012 8:40
12110813-083	G16QT	Solid	2	11/13/2012 14:30
12110813-084	T14OT-2	Solid	2	11/13/2012 14:10
12110813-085	T22NT-2	Solid	2	11/13/2012 12:45
12110813-086	T08PT	Solid	2	11/13/2012 15:20
12110813-087	T08PT-3	Solid	2	11/13/2012 15:05
12110813-088	T09PT-3	Solid	2	11/13/2012 15:10
12110813-089	T09OT-2	Solid	2	11/13/2012 15:35
12110813-090	G02RT	Solid	2	11/13/2012 9:35
12110813-091	G09QT	Solid	2	11/13/2012 16:00
12110813-092	T21NT-4	Solid	2	11/13/2012 12:55
12110813-093	T09OT-5	Solid	2	11/13/2012 15:25
12110813-094	G16OT	Solid	2	11/13/2012 13:50
12110813-095	T09PT-4	Solid	2	11/13/2012 15:12
12110813-096	T08OT-4	Solid	2	11/13/2012 15:08
12110813-097	T09OT-4	Solid	2	11/13/2012 15:30
12110813-098	DUP-3	Solid	2	11/13/2012 0:00
12110813-099	G20LT-Depth	Solid	2	11/13/2012 12:05
12110813-100	T04UT-Dept	Solid	2	11/13/2012 10:50
12110813-101	T02PT-2	Solid	2	11/13/2012 7:20
12110813-102	T02OT-3	Solid	2	11/13/2012 8:00
12110813-103	T04QT-2	Solid	2	11/13/2012 8:50
12110813-104	T02TT-2	Solid	2	11/13/2012 9:55
12110813-105	G22MT	Solid	2	11/13/2012 12:35
12110813-106	T05QT-2	Solid	2	11/13/2012 9:00
12110813-107	T19MT	Solid	2	11/13/2012 12:05
12110813-108	T05VT-2	Solid	2	11/13/2012 11:25
12110813-109	T01QT	Solid	2	11/13/2012 8:42
12110813-110	T02ST-2-Depth	Solid	2	11/13/2012 10:05
12110813-111	DUP-2	Solid	2	11/13/2012 0:00
12110813-112	T09PT-2	Solid	2	11/13/2012 15:00
12110813-113	T03RT-4	Solid	2	11/13/2012 9:15
12110813-114	G20LT	Solid	2	11/13/2012 12:00
12110813-115	T22NT-3	Solid	2	11/13/2012 12:50
12110813-116	T08PT-2	Solid	2	11/13/2012 15:15
12110813-117	T01OT	Solid	2	11/13/2012 7:50

Sample Summary

<http://www.teklabinc.com/>
Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
12110813-118	G02QT	Solid	2	11/13/2012 8:35
12110813-119	T02OT-2	Solid	2	11/13/2012 7:58
12110813-120	T02PT-3	Solid	2	11/13/2012 7:15
12110813-121	T08ST	Solid	2	11/13/2012 15:50
12110813-122	T08TT	Solid	2	11/13/2012 16:00
12110813-123	T22NT	Solid	2	11/13/2012 12:40
12110813-124	DUP-1	Solid	2	11/13/2012 0:00
12110813-125	T10OT-2	Solid	2	11/13/2012 14:40
12110813-126	T03UT-5	Solid	2	11/13/2012 11:22
12110813-127	T14OT-3	Solid	2	11/13/2012 14:10
12110813-128	T16OT-2	Solid	2	11/13/2012 13:45
12110813-129	DUP-4	Solid	2	11/13/2012 0:00
12110813-130	G16OT-Depth	Solid	2	11/13/2012 13:55
12110813-131	T09UT-3	Solid	2	11/13/2012 16:05
12110813-132	T09UT-2	Solid	2	11/13/2012 16:35
12110813-133	T08ST-2	Solid	2	11/13/2012 17:00
12110813-134	T08RT-4	Solid	2	11/13/2012 16:30
12110813-135	T08ST-4	Solid	2	11/13/2012 16:20
12110813-136	T02OT	Solid	2	11/13/2012 7:52
12110813-137	T03UT-2	Solid	2	11/13/2012 11:10
12110813-138	T08ST-3	Solid	2	11/13/2012 16:40
12110813-139	T09TT	Solid	2	11/13/2012 16:00
12110813-140	T09UT	Solid	2	11/13/2012 16:50
12110813-141	T08RT-3	Solid	2	11/13/2012 16:30
12110813-142	G10PT	Solid	2	11/13/2012 15:45
12110813-143	T07QT-2	Solid	2	11/13/2012 16:10
12110813-144	T08RT	Solid	2	11/13/2012 16:20
12110813-145	T11UT-3	Solid	2	11/14/2012 9:00
12110813-146	T12UT-4	Solid	2	11/14/2012 9:10
12110813-147	T07UT-2	Solid	2	11/14/2012 7:40
12110813-148	T14TT-3	Solid	2	11/14/2012 10:15
12110813-149	T11UT-2	Solid	2	11/14/2012 9:05
12110813-150	T14UT-3	Solid	2	11/14/2012 10:00
12110813-151	T11VT-2	Solid	2	11/14/2012 8:55
12110813-152	T13TT-3	Solid	2	11/14/2012 10:30
12110813-153	T12UT-2	Solid	2	11/14/2012 9:20
12110813-154	T12TT-3	Solid	2	11/14/2012 10:40
12110813-155	T12UT-3	Solid	2	11/14/2012 9:15
12110813-156	T11TT-3	Solid	2	11/14/2012 10:35

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
12110813-157	T13TT-5	Solid	2	11/14/2012 10:30
12110813-158	T12ST-2	Solid	2	11/14/2012 10:55
12110813-159	T14UT-2	Solid	2	11/14/2012 10:05
12110813-160	T11UT-2-Depth	Solid	2	11/14/2012 8:50
12110813-161	T03RT-2	Solid	2	11/13/2012 9:08
12110813-162	T05UT-2	Solid	2	11/13/2012 11:30
12110813-163	T16OT	Solid	2	11/13/2012 13:40
12110813-164	T21MT	Solid	2	11/13/2012 12:15
12110813-165	T01PT-2	Solid	2	11/13/2012 7:40
12110813-166	T15OT-2	Solid	2	11/13/2012 14:00
12110813-167	T02PT-4	Solid	2	11/13/2012 7:30
12110813-168	T15OT	Solid	2	11/13/2012 14:05
12110813-169	T03PT-3	Solid	2	11/13/2012 8:30
12110813-170	T21MT-3-Depth	Solid	2	11/13/2012 13:10
12110813-171	T03RT-3	Solid	2	11/13/2012 9:12
12110813-172	T06RT-2	Solid	2	11/13/2012 9:05
12110813-173	G030T	Solid	2	11/13/2012 7:54
12110813-174	T04UT-2	Solid	2	11/13/2012 11:25
12110813-175	T02ST-2	Solid	2	11/13/2012 9:50
12110813-176	T14ST	Solid	2	11/14/2012 13:20
12110813-177	T14RT-2	Solid	2	11/14/2012 13:30
12110813-178	T05KT	Solid	2	11/14/2012 14:30
12110813-179	T14TT	Solid	2	11/14/2012 10:25
12110813-180	T10ST-2	Solid	2	11/14/2012 11:10
12110813-181	T02RT-3	Solid	2	11/13/2012 10:15
12110813-182	T07PT-2	Solid	2	11/13/2012 15:08
12110813-183	T21NT-2	Solid	2	11/13/2012 13:00
12110813-184	T14OT	Solid	2	11/13/2012 14:15
12110813-185	T12UT	Solid	2	11/14/2012 9:15

Dates Report

<http://www.teklabinc.com/>
Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
12110813-001A	T08QT-2	11/13/2012 16:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 15:34	11/20/2012 19:19
12110813-002A	T10UT-2	11/14/2012 8:45	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 15:34	11/20/2012 19:25
12110813-003A	T10UT	11/14/2012 8:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 15:34	11/20/2012 19:31
12110813-004A	G10QT	11/13/2012 15:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/21/2012 9:58	11/26/2012 12:10
12110813-005A	T06TT-2	11/14/2012 7:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 15:34	11/20/2012 20:07
12110813-006A	T06UT-4	11/14/2012 8:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 15:34	11/20/2012 20:13
12110813-007A	T14ST-2	11/14/2012 10:10	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 15:34	11/20/2012 20:19
12110813-008A	DUP-5	11/14/2012 0:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 15:34	11/20/2012 20:25
12110813-009A	T10UT-3	11/14/2012 8:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 15:34	11/20/2012 20:31
12110813-010A	T06UT-3	11/14/2012 8:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 13:31
12110813-011A	T08TT-2	11/14/2012 7:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 14:02
12110813-012A	T13UT-5	11/14/2012 9:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 14:05
12110813-013A	G08UT	11/14/2012 7:20	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 14:17
12110813-014A	G07UT	11/14/2012 7:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 14:21
12110813-015A	T06UT-2	11/14/2012 7:55	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 14:25
12110813-016A	T08UT	11/14/2012 7:25	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 14:28
12110813-017A	T07RT-2	11/13/2012 16:15	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 14:32
12110813-018A	T08RT-2	11/13/2012 16:25	11/17/2012 11:30		

Dates Report

<http://www.teklabinc.com/>
Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 14:43
12110813-019A	T06UT-4-Depth	11/14/2012 8:10	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 14:47
12110813-020A	T08UT-Depth	11/14/2012 7:35	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/21/2012 10:46	11/26/2012 12:21
12110813-021A	T13UT-3	11/14/2012 9:35	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 15:01
12110813-022A	T13TT-6	11/14/2012 9:55	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 15:05
12110813-023A	T13UT-6	11/14/2012 9:25	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 15:09
12110813-024A	T12VT-2	11/14/2012 9:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 15:12
12110813-025A	T11UT	11/14/2012 9:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 15:23
12110813-026A	T13UT-2	11/14/2012 9:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 15:34
12110813-027A	T13UT-4	11/14/2012 9:45	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 15:38
12110813-028A	DUP-7	11/14/2012 0:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 15:42
12110813-029A	T12ST-3	11/14/2012 10:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 16:19	11/20/2012 15:45
12110813-030A	T15ST-3	11/14/2012 13:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 16:00
12110813-031A	T10RT-3	11/14/2012 13:55	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 16:04
12110813-032A	T12RT-2	11/14/2012 13:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 16:18
12110813-033A	DUP-8	11/14/2012 0:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 16:22
12110813-034A	T14RT-3	11/14/2012 13:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 16:26
12110813-035A	T10RT-2	11/14/2012 14:10	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 16:29

Dates Report

<http://www.teklabinc.com/>
Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
12110813-036A	T15ST-2	11/14/2012 13:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 16:33
12110813-037A	T15RT-2	11/14/2012 13:15	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 16:37
12110813-038A	T15ST-3-Depth	11/14/2012 13:10	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 16:40
12110813-039A	T14TT-3-Depth	11/14/2012 14:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 16:44
12110813-040A	T10ST-Depth	11/14/2012 14:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 16:48
12110813-041A	T11ST-2	11/14/2012 10:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 16:51
12110813-042A	T12ST-4	11/14/2012 10:45	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 17:03
12110813-043A	T11ST-4	11/14/2012 11:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 17:06
12110813-044A	T13ST-2	11/14/2012 10:15	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 17:10
12110813-045A	T12TT-2	11/14/2012 10:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 17:21
12110813-046A	T11TT-4	11/14/2012 10:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 17:25
12110813-047A	T15UT	11/14/2012 10:10	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 17:28
12110813-048A	T13TT-4	11/14/2012 10:22	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 17:32
12110813-049A	T13TT-2	11/14/2012 10:20	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 17:13	11/20/2012 17:50
12110813-050A	T14ST-2-Depth	11/14/2012 10:24	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 18:05
12110813-051A	T11ST3	11/14/2012 11:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 18:09
12110813-052A	G15ST	11/14/2012 11:20	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 18:13
12110813-053A	T10ST-3	11/14/2012 11:10	11/17/2012 11:30		

Dates Report

<http://www.teklabinc.com/>
Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 18:31
12110813-054A	T10ST	11/14/2012 13:55	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 18:35
12110813-055A	T13RT-2	11/14/2012 13:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 18:38
12110813-056A	T13ST-3	11/14/2012 10:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 18:42
12110813-057A	T14TT-2	11/14/2012 10:20	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 18:46
12110813-058A	T11TT-2	11/14/2012 10:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 18:49
12110813-059A	DUP-6	11/14/2012 0:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 19:00
12110813-060A	T13RT-2-Depth	11/14/2012 13:45	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 19:04
12110813-061A	G24OT	11/13/2012 13:20	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 19:15
12110813-062A	T03ST-2	11/13/2012 9:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 19:19
12110813-063A	T03UT-3	11/13/2012 11:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 19:22
12110813-064A	T02RT-2	11/13/2012 9:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 19:26
12110813-065A	T21MT-2	11/13/2012 12:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 19:30
12110813-066A	T02PT	11/13/2012 7:25	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 19:33
12110813-067A	T04TT-2	11/13/2012 9:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 19:37
12110813-068A	T09OT-3	11/13/2012 15:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 19:41
12110813-069A	T21NT	11/13/2012 12:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/19/2012 19:01	11/20/2012 19:44
12110813-070A	T19MT-3	11/13/2012 12:10	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 20:06

Dates Report

<http://www.teklabinc.com/>
Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
12110813-071A	T01PT	11/13/2012 7:38	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 20:10
12110813-072A	T02RT-4	11/13/2012 9:45	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 20:14
12110813-073A	T01PT-3	11/13/2012 7:28	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 20:17
12110813-074A	T03UT-4	11/13/2012 11:15	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 20:28
12110813-075A	T04UT	11/13/2012 10:45	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 20:32
12110813-076A	T21NT-3	11/13/2012 12:55	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 20:43
12110813-077A	T21MT-3	11/13/2012 12:25	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 20:47
12110813-078A	T03UT-6	11/13/2012 11:20	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 20:50
12110813-079A	T03PT-3-Depth	11/13/2012 8:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 20:54
12110813-080A	T160T-2-Depth	11/13/2012 13:45	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 20:58
12110813-081A	T03PT-2	11/13/2012 8:28	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 21:01
12110813-082A	T02QT-2	11/13/2012 8:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 21:05
12110813-083A	G16QT	11/13/2012 14:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 21:09
12110813-084A	T14OT-2	11/13/2012 14:10	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 21:12
12110813-085A	T22NT-2	11/13/2012 12:45	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 21:16
12110813-086A	T08PT	11/13/2012 15:20	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 21:27
12110813-087A	T08PT-3	11/13/2012 15:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 21:31
12110813-088A	T09PT-3	11/13/2012 15:10	11/17/2012 11:30		

Dates Report

<http://www.teklabinc.com/>
Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 21:35
12110813-089A	T09OT-2	11/13/2012 15:35	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:10	11/20/2012 21:46
12110813-090A	G02RT	11/13/2012 9:35	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 1:12
12110813-091A	G09QT	11/13/2012 16:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 1:30
12110813-092A	T21NT-4	11/13/2012 12:55	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 1:36
12110813-093A	T09OT-5	11/13/2012 15:25	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 1:42
12110813-094A	G16OT	11/13/2012 13:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 2:00
12110813-095A	T09PT-4	11/13/2012 15:12	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 2:06
12110813-096A	T08OT-4	11/13/2012 15:08	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 2:12
12110813-097A	T09OT-4	11/13/2012 15:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 2:18
12110813-098A	DUP-3	11/13/2012 0:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 2:24
12110813-099A	G20LT-Depth	11/13/2012 12:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 2:30
12110813-100A	T04UT-Dept	11/13/2012 10:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 2:36
12110813-101A	T02PT-2	11/13/2012 7:20	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 2:42
12110813-102A	T02OT-3	11/13/2012 8:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 2:48
12110813-103A	T04QT-2	11/13/2012 8:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 2:54
12110813-104A	T02TT-2	11/13/2012 9:55	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 3:12
12110813-105A	G22MT	11/13/2012 12:35	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 3:18

Dates Report

<http://www.teklabinc.com/>
Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
12110813-106A	T05QT-2	11/13/2012 9:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 3:24
12110813-107A	T19MT	11/13/2012 12:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 3:30
12110813-108A	T05VT-2	11/13/2012 11:25	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 3:36
12110813-109A	T01QT	11/13/2012 8:42	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 7:35	11/21/2012 3:42
12110813-110A	T02ST-2-Depth	11/13/2012 10:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:26	11/21/2012 18:39
12110813-111A	DUP-2	11/13/2012 0:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:26	11/21/2012 18:57
12110813-112A	T09PT-2	11/13/2012 15:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:26	11/21/2012 19:03
12110813-113A	T03RT-4	11/13/2012 9:15	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:26	11/21/2012 19:09
12110813-114A	G20LT	11/13/2012 12:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:26	11/21/2012 19:15
12110813-115A	T22NT-3	11/13/2012 12:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:26	11/21/2012 19:21
12110813-116A	T08PT-2	11/13/2012 15:15	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:26	11/21/2012 19:27
12110813-117A	T01OT	11/13/2012 7:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:26	11/21/2012 19:33
12110813-118A	G02QT	11/13/2012 8:35	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:26	11/21/2012 19:39
12110813-119A	T02OT-2	11/13/2012 7:58	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:26	11/21/2012 19:45
12110813-120A	T02PT-3	11/13/2012 7:15	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:26	11/21/2012 19:51
12110813-121A	T08ST	11/13/2012 15:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:26	11/21/2012 20:09
12110813-122A	T08TT	11/13/2012 16:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:26	11/21/2012 20:15
12110813-123A	T22NT	11/13/2012 12:40	11/17/2012 11:30		

Dates Report

<http://www.teklabinc.com/>
Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 10:19
12110813-124A	DUP-1	11/13/2012 0:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 10:22
12110813-125A	T10OT-2	11/13/2012 14:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 10:26
12110813-126A	T03UT-5	11/13/2012 11:22	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 10:30
12110813-127A	T14OT-3	11/13/2012 14:10	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 10:33
12110813-128A	T16OT-2	11/13/2012 13:45	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 10:37
12110813-129A	DUP-4	11/13/2012 0:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 10:48
12110813-130A	G16OT-Depth	11/13/2012 13:55	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 10:52
12110813-131A	T09UT-3	11/13/2012 16:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 10:56
12110813-132A	T09UT-2	11/13/2012 16:35	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 10:59
12110813-133A	T08ST-2	11/13/2012 17:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 11:03
12110813-134A	T08RT-4	11/13/2012 16:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 11:07
12110813-135A	T08ST-4	11/13/2012 16:20	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 11:10
12110813-136A	T02OT	11/13/2012 7:52	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 11:14
12110813-137A	T03UT-2	11/13/2012 11:10	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 11:18
12110813-138A	T08ST-3	11/13/2012 16:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 11:21
12110813-139A	T09TT	11/13/2012 16:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 11:32
12110813-140A	T09UT	11/13/2012 16:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:53	11/21/2012 11:36

Dates Report

<http://www.teklabinc.com/>
Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
12110813-141A	T08RT-3	11/13/2012 16:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 12:20
12110813-142A	G10PT	11/13/2012 15:45	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 12:24
12110813-143A	T07QT-2	11/13/2012 16:10	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 12:27
12110813-144A	T08RT	11/13/2012 16:20	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 12:31
12110813-145A	T11UT-3	11/14/2012 9:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 12:35
12110813-146A	T12UT-4	11/14/2012 9:10	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 12:38
12110813-147A	T07UT-2	11/14/2012 7:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 12:42
12110813-148A	T14TT-3	11/14/2012 10:15	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 12:46
12110813-149A	T11UT-2	11/14/2012 9:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 12:50
12110813-150A	T14UT-3	11/14/2012 10:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 13:01
12110813-151A	T11VT-2	11/14/2012 8:55	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 13:04
12110813-152A	T13TT-3	11/14/2012 10:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 13:08
12110813-153A	T12UT-2	11/14/2012 9:20	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 13:12
12110813-154A	T12TT-3	11/14/2012 10:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 13:15
12110813-155A	T12UT-3	11/14/2012 9:15	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 13:19
12110813-156A	T11TT-3	11/14/2012 10:35	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 13:23
12110813-157A	T13TT-5	11/14/2012 10:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 13:26
12110813-158A	T12ST-2	11/14/2012 10:55	11/17/2012 11:30		

Dates Report

<http://www.teklabinc.com/>
Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Sample ID	Client Sample ID	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
	Test Name				
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 11:16	11/21/2012 13:30
12110813-159A	T14UT-2	11/14/2012 10:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:28	11/21/2012 14:14
12110813-160A	T11UT-2-Depth	11/14/2012 8:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:28	11/21/2012 14:18
12110813-161A	T03RT-2	11/13/2012 9:08	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:27	11/21/2012 14:29
12110813-162A	T05UT-2	11/13/2012 11:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:27	11/21/2012 14:33
12110813-163A	T16OT	11/13/2012 13:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:27	11/21/2012 14:36
12110813-164A	T21MT	11/13/2012 12:15	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:27	11/21/2012 14:40
12110813-165A	T01PT-2	11/13/2012 7:40	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:27	11/21/2012 14:44
12110813-166A	T15OT-2	11/13/2012 14:00	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:27	11/21/2012 14:51
12110813-167A	T02PT-4	11/13/2012 7:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:27	11/21/2012 14:55
12110813-168A	T15OT	11/13/2012 14:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:27	11/21/2012 14:58
12110813-169A	T03PT-3	11/13/2012 8:30	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:27	11/21/2012 15:02
12110813-170A	T21MT-3-Depth	11/13/2012 13:10	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:27	11/21/2012 15:18
12110813-171A	T03RT-3	11/13/2012 9:12	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:27	11/21/2012 15:21
12110813-172A	T06RT-2	11/13/2012 9:05	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:27	11/21/2012 15:25
12110813-173A	G030T	11/13/2012 7:54	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:27	11/21/2012 15:29
12110813-174A	T04UT-2	11/13/2012 11:25	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 13:27	11/21/2012 15:32
12110813-175A	T02ST-2	11/13/2012 9:50	11/17/2012 11:30		
	SW-846 3050B, 6010B, Metals by ICP			11/20/2012 8:26	11/21/2012 20:21

Dates Report

<http://www.teklabinc.com/>
Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Sample ID	Client Sample ID Test Name	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
12110813-176A	T14ST SW-846 3050B, 6010B, Metals by ICP	11/14/2012 13:20	11/17/2012 11:30	11/20/2012 8:53	11/21/2012 11:40
12110813-177A	T14RT-2 SW-846 3050B, 6010B, Metals by ICP	11/14/2012 13:30	11/17/2012 11:30	11/20/2012 8:53	11/21/2012 11:51
12110813-178A	T05KT SW-846 3050B, 6010B, Metals by ICP	11/14/2012 14:30	11/17/2012 11:30	11/20/2012 11:16	11/21/2012 13:34
12110813-179A	T14TT SW-846 3050B, 6010B, Metals by ICP	11/14/2012 10:25	11/17/2012 11:30	11/20/2012 11:16	11/21/2012 13:52
12110813-180A	T10ST-2 SW-846 3050B, 6010B, Metals by ICP	11/14/2012 11:10	11/17/2012 11:30	11/20/2012 16:01	11/21/2012 16:32
12110813-181A	T02RT-3 SW-846 3050B, 6010B, Metals by ICP	11/13/2012 10:15	11/17/2012 11:30	11/20/2012 13:27	11/21/2012 15:36
12110813-182A	T07PT-2 SW-846 3050B, 6010B, Metals by ICP	11/13/2012 15:08	11/17/2012 11:30	11/20/2012 13:28	11/21/2012 15:52
12110813-183A	T21INT-2 SW-846 3050B, 6010B, Metals by ICP	11/13/2012 13:00	11/17/2012 11:30	11/20/2012 13:27	11/21/2012 16:10
12110813-184A	T14OT SW-846 3050B, 6010B, Metals by ICP	11/13/2012 14:15	11/17/2012 11:30	11/20/2012 16:01	11/21/2012 16:51
12110813-185A	T12UT SW-846 3050B, 6010B, Metals by ICP	11/14/2012 9:15	11/17/2012 11:30	11/20/2012 16:40	11/21/2012 20:57

Quality Control Results

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Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

SW-846 3050B, 6010B, METALS BY ICP
Batch 83519 **SampType: MBLK** Units mg/Kg-dry

SampleID: MB-83519

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		< 4.00	4.00	0	0	-100	100	11/20/2012

Batch 83519 **SampType: LCS** Units mg/Kg-dry

SampleID: LCS-83519

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		45.9	50.0	0	91.8	85	115	11/20/2012

Batch 83522 **SampType: MBLK** Units mg/Kg-dry

SampleID: MB-83522

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		< 4.00	4.00	0	0	-100	100	11/20/2012

Batch 83522 **SampType: LCS** Units mg/Kg-dry

SampleID: LCS-83522

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		46.1	50.0	0	92.3	85	115	11/20/2012

Batch 83522 **SampType: MS** Units mg/Kg-dry

SampleID: 12110813-012AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00	S	611	50.0	544.5	133.6	75	125	11/20/2012

Batch 83522 **SampType: MSD** Units mg/Kg-dry

SampleID: 12110813-012AMSD

RPD Limit 20

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	4.00	S	628	50.0	544.5	167.6	611.3	2.74	11/20/2012

Batch 83523 **SampType: MBLK** Units mg/Kg-dry

SampleID: MB-83523

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		< 4.00	4.00	0	0	-100	100	11/20/2012

Batch 83523 **SampType: LCS** Units mg/Kg-dry

SampleID: LCS-83523

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		47.3	50.0	0	94.5	85	115	11/20/2012

Batch 83523 **SampType: MS** Units mg/Kg-dry

SampleID: 12110813-044AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	3.92	S	717	49.0	571.2	297.4	75	125	11/20/2012

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

SW-846 3050B, 6010B, METALS BY ICP

Batch 83523		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampleID: 12110813-044AMSD										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lead	3.92	S	647	49.0	571.2	153.8	717.0	10.32	11/20/2012	

Batch 83523		SampType: MS		Units mg/Kg-dry						
SampID: 12110813-048AMS										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	3.92	S	637	49.0	607.8	59.4	75	125	11/20/2012	

Batch 83523		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 12110813-048AMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		3.92	S	610	49.0	607.8	4.6	637.0	4.31	11/20/2012

Batch 83524		SampType: MBLK		Units mg/Kg-dry						
SampID: MB-83524										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	4.00		< 4.00	4.00	0	0	-100	100	11/20/2012	

Batch 83524		SampType: LCS		Units mg/Kg-dry						
SampID: LCS-83524										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	4.00		46.6	50.0	0	93.3	85	115	11/20/2012	

Batch 83524		SampType: MS		Units mg/Kg-dry						
SampID: 12110813-052AMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		3.77	S	786	47.2	677.0	231.0	75	125	11/20/2012

Batch 83524		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 12110813-052AMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lead		3.77	S	781	47.2	677.0	220.6	785.9	0.63	11/20/2012

Batch 83524		SampType: MS		Units mg/Kg-dry						
SampID: 12110813-058AMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		3.92	S	884	49.0	815.6	139.2	75	125	11/20/2012

Batch 83524		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 12110813-058AMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lead		3.92	S	848	49.0	815.6	66.0	883.8	4.14	11/20/2012

Quality Control Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

SW-846 3050B, 6010B, METALS BY ICP

Batch 83529 SampType: MBLK Units mg/Kg-dry

SampleID: MB-83529

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		< 4.00	4.00	0	0	-100	100	11/20/2012

Batch 83529 SampType: LCS Units mg/Kg-dry

SampleID: LCS-83529

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		47.1	50.0	0	94.1	85	115	11/20/2012

Batch 83529 SampType: MS Units mg/Kg-dry

SampleID: 12110813-073AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		730	50.0	676.4	107.4	75	125	11/20/2012

Batch 83529 SampType: MSD Units mg/Kg-dry

SampleID: 12110813-073AMSD

RPD Limit 20

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	4.00	S	713	50.0	676.4	72.4	730.1	2.43	11/20/2012

Batch 83529 SampType: MS Units mg/Kg-dry

SampleID: 12110813-088AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	3.64	S	846	45.4	820.0	58.0	75	125	11/20/2012

Batch 83529 SampType: MSD Units mg/Kg-dry

SampleID: 12110813-088AMSD

RPD Limit 20

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	3.64	S	840	45.4	820.0	44.4	846.4	0.73	11/20/2012

Batch 83530 SampType: MBLK Units mg/Kg-dry

SampleID: MB-83530

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		< 4.00	4.00	0	0	-100	100	11/21/2012

Batch 83530 SampType: LCS Units mg/Kg-dry

SampleID: LCS-83530

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		47.7	50.0	0	95.4	85	115	11/21/2012

Batch 83530 SampType: MS Units mg/Kg-dry

SampleID: 12110813-090AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	3.92	S	525	49.0	492.4	65.6	75	125	11/21/2012

Quality Control Results

<http://www.teklabinc.com/>
Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

SW-846 3050B, 6010B, METALS BY ICP

Batch 83530		SampType: MSD		Units mg/Kg-dry				RPD Limit 20			Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lead		3.92	S	513	49.0	492.4	43.0	524.5	2.13	11/21/2012	

Batch 83530		SampType: MS		Units mg/Kg-dry							Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead		3.64	S	643	45.4	650.8	-17.8	75	125	11/21/2012	

Batch 83530		SampType: MSD		Units mg/Kg-dry				RPD Limit 20			Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lead		3.64	S	636	45.4	650.8	-33.4	642.7	1.11	11/21/2012	

Batch 83533		SampType: MBLK		Units mg/Kg-dry							Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead		4.00		< 4.00	4.00	0	0	-100	100	11/21/2012	

Batch 83533		SampType: LCS		Units mg/Kg-dry							Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead		4.00		49.3	50.0	0	98.6	85	115	11/21/2012	

Batch 83533		SampType: MS		Units mg/Kg-dry							Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead		3.85	S	756	48.1	735.3	43.6	75	125	11/21/2012	

Batch 83533		SampType: MSD		Units mg/Kg-dry				RPD Limit 20			Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lead		3.85	S	742	48.1	735.3	13.2	756.2	1.95	11/21/2012	

Batch 83536		SampType: MBLK		Units mg/Kg-dry							Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead		4.00		< 4.00	4.00	0	0	-100	100	11/21/2012	

Batch 83536		SampType: LCS		Units mg/Kg-dry							Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead		4.00		47.4	50.0	0	94.7	85	115	11/21/2012	

Quality Control Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

3W-846 3050B, 6010B, METALS BY ICP

Batch 83536		SampType: MS		Units mg/Kg-dry							
SampID: 12110813-176AMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead		4.00	S	861	50.0	759.9	202.2	75	125	11/21/2012	

Batch 83536		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 12110813-176AMSD										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lead	4.00	S	742	50.0	759.9	-36.6	861.0	14.90	11/21/2012	

Batch 83536		SampType: MS		Units mg/Kg-dry						
SampID: 12110813-177AMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		3.70	S	598	46.3	482.9	248.6	75	125	11/21/2012

Batch 83536		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		Date Analyzed
SampID: 12110813-177AMSD										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lead	3.70	S	565	46.3	482.9	177.8	598.0	5.64	11/21/2012	

Batch 83545		SampType: MBLK		Units mg/Kg-dry							
SampID: MB-83545											Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Lead	4.00		< 4.00	4.00	0	0	-100	100		11/21/2012	

Batch 83545		SampType: LCS		Units mg/Kg-dry						
SampID: LCS-83545										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	4.00		47.0	50.0	0	94.0	85	115	11/21/2012	

Batch 83545		SampType: MS		Units mg/Kg-dry						
SampID: 12110813-178AMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		3.92	S	1050	49.0	1019	58.0	75	125	11/21/2012

Batch 83545		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 12110813-178AMSD										Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Lead		3.92		1080	49.0	1019	124.0	1047	3.04	11/21/2012

Batch 83545		SampType: MS		Units mg/Kg-dry						
SampID: 12110813-179AMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		3.85	S	668	48.1	739.4	-148.2	75	125	11/21/2012

Quality Control Results

<http://www.teklabinc.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

3W-846 3050B, 6010B, METALS BY ICP

Batch 83545		SampType: MSD		Units mg/Kg-dry				RPD Limit 20			
SampID: 12110813-179AMSD											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Lead		3.85	S	656	48.1	739.4	-172.6	668.2	1.77	11/21/2012	

Batch 83559		SampType: MBLK		Units mg/Kg-dry						
SampID: MB-83559										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	4.00		< 4.00	4.00	0	0	-100	100	11/21/2012	

Batch 83559		SampType: LCS		Units mg/Kg-dry						
SampID: LCS-83559										Date Analyzed
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead	4.00		46.7	50.0	0	93.4	85	115	11/21/2012	

Batch 83559		SampType: MS		Units mg/Kg-dry							
SampID: 12110813-181AMS											Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Lead		3.92	S	890	49.0	859.7	62.6	75	125	11/21/2012	

Batch 83559		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 12110813-181AMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		3.92	S	878	49.0	859.7	37.4	890.4	1.40	11/21/2012

Batch 83559		SampType: MS		Units mg/Kg-dry						
SampID: 12110813-182AMS										
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead	3.77	S	927	47.2	862.4	137.0	75	125	11/21/2012	

Batch 83559		SampType: MSD		Units mg/Kg-dry				RPD Limit 20			
SampID: 12110813-182AMSD											
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Lead		3.77	S	897	47.2	862.4	72.6	927.0	3.33	11/21/2012	

Batch 83559		SampType: MS		Units mg/Kg-dry						
SampID: 12110813-183AMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		3.92	S	636	49.0	599.2	74.8	75	125	11/21/2012

Batch 83559		SampType: MSD		Units mg/Kg-dry				RPD Limit 20				
SampID: 12110813-183AMSD												Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Lead		3.92		639	49.0	599.2	81.6	635.9	0.52		11/21/2012	

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

SW-846 3050B, 6010B, METALS BY ICP
Batch 83570 **SampType: MBLK** Units mg/Kg-dry

SampleID: MB-83570

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		< 4.00	4.00	0	0	-100	100	11/21/2012

Batch 83570 **SampType: LCS** Units mg/Kg-dry

SampleID: LCS-83570

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		47.5	50.0	0	95.0	85	115	11/21/2012

Batch 83570 **SampType: MS** Units mg/Kg-dry

SampleID: 12110813-180AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	3.85	S	684	48.1	623.5	125.8	75	125	11/21/2012

Batch 83570 **SampType: MSD** Units mg/Kg-dry

SampleID: 12110813-180AMSD

RPD Limit 20

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	3.85		663	48.1	623.5	82.0	683.9	3.13	11/21/2012

Batch 83570 **SampType: MS** Units mg/Kg-dry

SampleID: 12110813-184AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	3.85		627	48.1	577.0	103.6	75	125	11/21/2012

Batch 83570 **SampType: MSD** Units mg/Kg-dry

SampleID: 12110813-184AMSD

RPD Limit 20

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	3.85	S	658	48.1	577.0	168.8	626.8	4.88	11/21/2012

Batch 83572 **SampType: MBLK** Units mg/Kg-dry

SampleID: MB-83572

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		< 4.00	4.00	0	0	-100	100	11/21/2012

Batch 83572 **SampType: LCS** Units mg/Kg-dry

SampleID: LCS-83572

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		46.7	50.0	0	93.4	85	115	11/21/2012

Batch 83572 **SampType: MS** Units mg/Kg-dry

SampleID: 12110813-185AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	3.92		377	49.0	338.7	78.6	75	125	11/21/2012

Quality Control Results

<http://www.teklabin.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

SW-846 3050B, 6010B, METALS BY ICP

Batch 83572		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 12110813-185AMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		3.92	S	373	49.0	338.7	70.8	377.3	1.02	11/21/2012

Batch 83598		SampType: MBLK		Units mg/Kg-dry						
SampID: MB-83598										Date
Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Lead	4.00		< 4.00	4.00	0	0	-100	100	11/26/2012	

Batch 83598		SampType: LCS		Units mg/Kg-dry						
SampID: LCS-83598										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		4.00		49.6	50.0	0	99.3	85	115	11/26/2012

Batch 83598		SampType: MS		Units mg/Kg-dry						
SampID: 12110813-004AMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		4.00	S	672	50.0	548.1	248.2	75	125	11/26/2012

Batch 83598		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 12110813-004AMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		4.00	S	739	50.0	548.1	381.8	672.2	9.47	11/26/2012

Batch 83598		SampType: MS		Units mg/Kg-dry						
SampID: 12110813-020AMS										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		3.77	S	1380	47.2	1390	-16.0	75	125	11/26/2012

Batch 83598		SampType: MSD		Units mg/Kg-dry				RPD Limit 20		
SampID: 12110813-020AMSD										
Analyses		RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		3.77	S	1390	47.2	1390	4.0	1382	0.68	11/26/2012

Receiving Check List

<http://www.teklabin.com/>

Client: Barr Engineering Company

Work Order: 12110813

Client Project: Federal MTS/25/86-0006

Report Date: 13-Dec-12

Carrier: FedEx

Received By: TWM

Completed by:

On:

19-Nov-12

Timothy W. Mathis

Reviewed by:

On:

19-Nov-12

Michael L. Austin

Pages to follow:

Chain of custody

19

Extra pages included

0

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 2.4
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input checked="" type="checkbox"/>
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Any No responses must be detailed below or on the COC.



Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

2.4 ICE

Project Number: 25/96-0006
Project Name: Federal MTS
Sample Origination State MO (use two letter postal state abbreviation); Standard Testing Time
COC Number: Custody Seal Intact Upon Arrival In Lab **No 35504**

Location	Start Depth	Stop Depth	Depth Unit (m./ft or in)	Collection Date (mm/dd/yyyy)	Collection Time (hh mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial unpres)	Total Lead	Total Number Of Containers
						Water	Soil	Grab	Comp															
1. TOBQT-2	0	2	in.	11/13/12	16:05	X			X															12/10813-001
2. TIOUT-2				11/14/12	8:45																			002
3. TIOUT				11/14/12	8:50																			003
4. GIOQT				11/13/12	15:50																			004
5. TOBTT-2				11/14/12	7:50																			005
6. TOBUT-4				11/14/12	8:00																			006
7. TI4ST-2				11/14/12	10:10																			007
8. DUP-5				11/14/12	-																			008
9. TIOUT-3				11/14/12	8:40																			009
10. TOBUT-3				11/14/12	8:05																			010

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <u>William Selby</u>	On Ice? <input checked="" type="radio"/> N	Date <u>11/14/12</u>	Time <u>16:30</u>	Received by: <u>[Signature]</u>	Date <u>11-14-12</u>	Time <u>11:30</u>
Relinquished By:	On Ice? <input type="radio"/> Y <input type="radio"/> N	Date	Time	Received by: <u>FEDEx</u>	Date	Time
Samples Shipped VIA. <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler				Air Bill Number		
<input type="checkbox"/> Other: _____						

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number

25/86-0006

Project Name

Federal MTS

Sample Origination State IN 0 (use two letter postal state abbreviation)

Standard Testing Time

COC Number.

No 35505

Location	Start Depth	Stop Depth	Depth Unit (m./ft or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh mm)	Matrix		Type			VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (lared MeOH) #1	GRO, BTEX (lared MeOH) #1	DRO (lared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres)	Total Lead	Total Number Of Containers
						Water	Soil	Grab	Comp	QC															
1. TOSTT-2	0	2	in	11/14/12	7:30	X			X															1	1
2. TIBUT-5					7:30																				
3. GOST					7:20																				
4. GOST					7:50																				
5. TOST-2					7:55																				
6. TOST					7:25																				
7. TOST-2				11/13/12	16:15																				
8. TOST-2	✓	✓	✓	11/13/12	16:25																				
9. TOST-4-Depth	12	12		11/14/12	8:10																				
10. TOST-Depth	12	12	✓	11/14/12	7:35	✓			✓																

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCR, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <u>William Selby</u>	On Ice? <input checked="" type="checkbox"/> N	Date <u>11/16/12</u>	Time <u>16:30</u>	Received by: <u>[Signature]</u>	Date <u>11/17/12</u>	Time <u>11:30</u>
Relinquished By:	On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Date	Time	Received by:	Date	Time
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler				Air Bill Number		
<input type="checkbox"/> Other: _____						

Distribution: White-Original Accompanies Shipment to Lab, Yellow - Field Copy, Pink - Lab Coordinator

Number of Containers/Preservative

Water

Soil

COC 2 of 19

Project Manager: Adam Nunney
Ty Morris

Project QC Contact Andrea Nord

Sampled by: William Selby

Laboratory Teklab



Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number 25/86-0006
Project Name Federal MTS
Sample Origination State MN (use two letter postal state abbreviation) Standard Testing Time
COC Number No 35506

Location	Start Depth	Stop Depth	Depth Unit (m/ft or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	
						Water	Soil	Grab	Comp
1 T13UT-3	0	2	in	11/14/12	9:35	X		X	
2 T13TT-6					9:55				
3 T13UT-6					9:55				
4 T12VT-2					9:05				
5 T11UT					9:40				
6 T13UT-2					9:50				
7 T13UT-4					9:45				
8 DUP-7					-				
9 T12ST-3					10:40				
10 T15ST-3					13:00				

Number of Containers/Preservative															COC <u>3</u> of <u>19</u>	
Water							Soil								Total Number Of Containers	Project Manager <u>12/108/3 Adam Nanney Ty Morris</u> Project QC Contact <u>Andrea Nmsd</u> Sampled by <u>William Selby</u> Laboratory <u>Teklab</u>
VOCs (HCl) #1							VOCs (tared MeOH) #1									
SVOCs (unpreserved) #2							GRO, BTEX (tared MeOH) #1									
Dissolved Metals (HNO ₃)							DRO (tared unpreserved)									
Total Metals (HNO ₃)							Metals (unpreserved)									
General (unpreserved) #3							SVOCs (unpreserved) #2									
Diesel Range Organics (HCl)							% Solids (plastic vial, unpres.)									
Nutrients (H ₂ SO ₄) #4							Total Lead									

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By <u>William Selby</u>	On Ice? <input checked="" type="checkbox"/> N	Date <u>11/14/12</u>	Time <u>16:30</u>	Received by <u>[Signature]</u>	Date <u>11-18-12</u>	Time <u>11:30</u>
Relinquished By	On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Date	Time	Received by	Date	Time
Samples Shipped VIA. <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other				Air Bill Number		

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



25/86-0006

Federal MTS

10

Standard Testing Time

№ 35507

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type		VOCs (HC)	SVOCs (un)	Dissolved	Total Mett	General (u)	Diesel Rat	Nutrients			VOCs (tar)	GRO, BTEX	DRO (tare)	Metals (un)	SVOCs (un)	% Solids (p	Total L	Total Num	Laboratory <u>TekLab</u>
						Water	Soil		Grab	Comp																		
1. TIORT-3	0	2	in	11/14/12	13:55	X			X																	1	1	12110813 081
2 TI2RT-2	↓	↓	↓	↓	13:50	↓			↓																	↓	↓	082
3. DUP-8	↓	↓	↓	↓	-	↓			↓																	↓	↓	083
4. TI4RT-3	↓	↓	↓	↓	13:30	↓			↓																	↓	↓	084
5. TIORT-2	↓	↓	↓	↓	14:10	↓			↓																	↓	↓	085
6. TI5ST-2 ^{DES}	↓	↓	↓	↓	13:05	↓			↓																	↓	↓	086
7. TI5RT-2	↓	↓	↓	↓	13:15	↓			↓																	↓	↓	087
8. TI5ST-3-Depth	12	12	↓	↓	13:10	↓			↓																	↓	↓	088
9. TI4TT-3-Depth	↓	↓	↓	↓	14:30	↓			↓																	↓	↓	089
10. TI0ST- Depth	↓	↓	↓	↓	14:00	↓			↓																	↓	↓	090

Instructions: Doe Run
Billing

#1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270
Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS,
TDS, TS, Sulfate

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

By: William Selig

 $\textcircled{Y} \text{ N}$

100612

16:30

Received by PLH

11.17-1

1130

On Ice?

1

I

Received by

1

Time

Samples Shipped VIA: ☐ Air Freight ☒ Federal Express ☐ Sampler
☐ Other: _____

Air Bill Number:

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Project Number: 25/86-0006
 Project Name: Federal MTS
 Sample Origination State: MO (use two letter postal state abbreviation) Standard Testing Time
 COC Number: No 35508

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial unpres)	Total Lead	Total Number Of Containers
						Water	Soil	Grab	Comp															
1. T11ST-2	0	2	in	11/14/12	10:50	X			X														1	1
2. T12ST-4					10:45																			
3. T11ST-4					11:00																			
4. T13ST-2					10:15																			
5. T12TT-2					10:30																			
6. T11TT-4					10:00																			
7. T15UT					10:10																			
8. T13TT-4					10:22																			
9. T13TT-2	↓	↓			10:20																			
10. T14ST-2-Depth	12	12	↓	↓	10:24	↓			↓														↓	↓

Number of Containers/Preservative
 Water Soil
 COC 5 of 19
 Project Manager: Adam Nauney
Ty Morris
 Project QC Contact: Andrea Nord
 Sampled by: William Selby
 Laboratory: Teklab

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <u>William Selby</u>	On Ice? <input checked="" type="checkbox"/> N	Date <u>11/16/12</u>	Time <u>4:30pm</u>	Received by: <u>[Signature]</u>	Date <u>11.17.12</u>	Time <u>11:30</u>
Relinquished By:	On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Date	Time	Received by:	Date	Time
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other: _____				Air Bill Number:		

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number:

25/86-0006

Project Name:

Federal MTS

Sample Origination State MO (use two letter postal state abbreviation)

Standard Testing Time

COC Number

No 35509

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (lared MeOH) #1	GRQ, BTEX (lared MeOH) #1	DRO (lared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres)	Total Lead	Total Number Of Containers
						Water	Soil	Grab	Comp															
1. T11ST-3	0	2	in	11/14/12	11:05	X		X															1	1
2. G15ST					11:20																			
3. T10ST-3					11:10																			
4. T10ST					13:55																			
5. T13RT-2					13:40																			
6. T13ST-3					10:05																			
7. T14TT-2					10:20																			
8. T11TT-2					10:40																			
9. DUP-6					-																			
10. T13RT-2-Depth	12	12			13:45																			

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List

#2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By:

William Selby

On Ice?

Ⓞ N

Date

11/16/12

Time

16:30

Received by:

[Signature]

Date

11/17/12

Time

11:30

Relinquished By:

On Ice?

Y N

Date

Time

Received by:

Samples Shipped VIA: ☐ Air Freight ☒ Federal Express ☐ Sampler

☐ Other.

Air Bill Number

Distribution. White-Original Accompanies Shipment to Lab; Yellow - Field Copy, Pink - Lab Coordinator

Number of Containers/Preservative

Water

Soil

COC 6 of 19

Project Manager:

12/10/83
Adam Nanney
Ty Morris

Project QC Contact

Andrea Nord

Sampled by

William Selby

Laboratory

Teklab



Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number: 25/86-0006
Project Name: Federal MTS
Sample Origination State MO (use two letter postal state abbreviation) Standard Testing Time
COC Number NO 35510

Location	Start Depth	Stop Depth	Depth Unit (m/ft or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type	
						Water	Soil	Grab	Comp
1. <u>G24OT</u>	<u>0</u>	<u>2</u>	<u>in</u>	<u>11/13/12</u>	<u>13:20</u>	<u>X</u>		<u>X</u>	
2. <u>T03ST-2</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>9:50</u>	<u>1</u>		<u>1</u>	
3. <u>T03UT-3</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>11:05</u>	<u>1</u>		<u>1</u>	
4. <u>T02RT-2</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>9:30</u>	<u>1</u>		<u>1</u>	
5. <u>T21MT-2</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>12:30</u>	<u>1</u>		<u>1</u>	
6. <u>T02PT</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>7:25</u>	<u>1</u>		<u>1</u>	
7. <u>T04TT-2</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>9:40</u>	<u>1</u>		<u>1</u>	
8. <u>T09OT-3</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>15:40</u>	<u>1</u>		<u>1</u>	
9. <u>T21NT</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>12:40</u>	<u>1</u>		<u>1</u>	
10. <u>T19MT-3</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>12:10</u>	<u>1</u>		<u>1</u>	

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <u>William Selby</u>	On Ice? <u>Y</u> N	Date <u>11/16/12</u>	Time <u>16:30</u>	Received by: <u>[Signature]</u>	Date <u>11-17-12</u>	Time <u>11:30</u>
Relinquished By:	On Ice? Y N	Date	Time	Received by:	Date	Time
Samples Shipped VIA. <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other _____				Air Bill Number:		

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Number of Containers/Preservative														COC <u>7</u> of <u>19</u>	
Water							Soil							Project Manager <u>Adam Nunney</u> <u>Ty Morris</u>	
VOCs (HCl) #1	SVOCS (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCS (unpreserved) #2	% Solids (plastic vial unpres)	Total Lead		
														Project QC Contact: <u>Andrea Lord</u>	
														Sampled by <u>William Selby</u>	
														Laboratory <u>TEKlab</u>	
														Total Number Of Containers	
														<u>12/10/13</u> <u>-061</u>	
														<u>062</u>	
														<u>063</u>	
														<u>064</u>	
														<u>065</u>	
														<u>066</u>	
														<u>067</u>	
														<u>068</u>	
														<u>069</u>	
														<u>070</u>	

Project Number: 25/466 - C0006

Project Name: Federal MTS

Sample Origination State: MO (use two letter postal state abbreviation) Standard Testing Time

COC Number: Nº 35511

Location	Start Depth	Stop Depth	Depth Unit (m/ft or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type			VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial unpres)	Total Lead	Total Number Of Containers	
						Water	Soil		Grab	Comp	QC																
1 TO1PT	0	2	in	11/13/12	7:38	X			X																1	1	12/1/08/13
2 TO2RT-4					9:45																						071
3 TO1PT-3					7:28																						072
4 TO3UT-4					11:15																						073
5 TO4UT					10:45																						074
6 T2INT-3					12:55																						075
7 T2MT-3					12:25																						076
8 TO3UT-6	↓	↓			11:20																						077
9 TO3PT-3-Depth	12	12			8:40																						078
10 T16CT-2-Depth	12	12	↓		13:45	↓			↓																↓	↓	079
																											080

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List

#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: William Selby On Ice? ☒ N Date 11/16/12 Time 16:30

Relinquished By: On Ice? Y N Date Time

Samples Shipped VIA: ☐ Air Freight ☒ Federal Express ☐ Sampler Air Bill Number

☐ Other: _____

Received by: [Signature] Date 11/17/12 Time 1:30

Received by: Date Time

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Number of Containers/Preservative

Water Soil

COC 8 of 19

Project Manager Adam Nauwex
Ty Morris

Project QC Contact: Andrea Nord

Sampled by: William Selby

Laboratory: Teklab

Project Number: 25/86-0006

Project Name: Federal MTS

Sample Origination State MO (use two letter postal state abbreviation) Standard Testing Time

COC Number: No 35514

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃) #3	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres)	Total Lead	Total Number Of Containers
						Water	Soil	Grab	Comp															
1. TO3PT-2	0	2	in	11/13/12	8:28		X		X														1	1
2. TO2QT-2					8:40																			
3. G16QT					14:30																			
4. T14QT-2					14:10																			
5. T22NT-2					12:45																			
6. TO8PT					15:20																			
7. TO8PT-3					15:05																			
8. TO9PT-3					15:10																			
9. TO9OT-2					15:35																			
10. G102RT					9:35																			

Number of Containers/Preservative

COC 9 of 19

Project Manager: Adam Nanney
Ty Morris

Project QC Contact: Andrea Nord

Sampled by: William Selby

Laboratory: Teklab

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List

#2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <u>William Selby</u>	On Ice? <u>N</u>	Date: <u>11/16/12</u>	Time: <u>16:30</u>	Received by: <u>[Signature]</u>	Date: <u>11/17/12</u>	Time: <u>150</u>
Relinquished By:	On Ice? <u>Y N</u>	Date:	Time:	Received by:	Date:	Time:
Samples Shipped VIA <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other _____				Air Bill Number		

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator



Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number

25/86-0006

Project Name

Federal MTS

Sample Origination State MO (use two letter postal state abbreviation) Standard Testing Time

COC Number

No 35515

Location	Start Depth	Stop Depth	Depth Unit (m/ft. or in)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix			Type		VOCs (HCl)	SVOCs (unpreserved)	Dissolved	Total Metals	General (unpreserved)	Diesel Range	Nutrients (H2SO4)	VOCs (tared MeOH)	GRO, BTEX (tared MeOH)	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved)	% Solids (plastic vial unpreserved)	Total Lead	Total Number	Laboratory	
						Water	Soil		Grab	Comp																	QC
1. G09QT	0	2	m	11/13/12	16:00		X			X														1	1	12/10/13	091
2. T21NT-4					12:55																						092
3. T09OT-5					15:25																						093
4. G16OT					13:50																						094
5. T09PT-4					15:12																						095
6. T08OT-4					15:08																						096
7. T09OT-4					15:30																						097
8. DUP-3	↓	↓			-																						098
9. G20LT- Depth	12	12			12:05																						099
10. T04UT- Depth	12	12	↓	↓	10:50		↓			↓														↓	↓		100

Billing Instructions: Doe Run

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <u>William Selby</u>	On Ice? <input checked="" type="checkbox"/> N	Date <u>11/16/12</u>	Time <u>16:30</u>	Received by: <u>[Signature]</u>	Date <u>11/17/12</u>	Time <u>11:30</u>
Relinquished By:	On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Date	Time	Received by:	Date	Time
Samples Shipped VIA. <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler				Air Bill Number.		
<input type="checkbox"/> Other: _____						

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR

Project Number:

25/86-0006

Project Name

Federal MTS

Sample Origination State MO (use two letter postal state abbreviation)

Standard Shipping Time

COC Number:

No 35516

Location	Start Depth	Stop Depth	Depth Unit (m/ft or in)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial unpres)	Total Lead	Total Number Of Containers
						Water	Soil	Grab	Comp	QC														
1 TO2PT-2	0	2	in	11/13/12	7:20		X		X														1	1
2 TO2OT-3					8:00																			
3 TO4QT-2					8:50																			
4 TO2TT-2					9:55																			
5 G2OLT					12:35																			
6 TO5QT-2					9:00																			
7 T19MT					12:05																			
8 TO5VT-2					11:25																			
9 TO1QT	↓	↓			8:42																			
10 TO2ST-2-Depth	12	12	↓		10:05																			

COC 11 of 19

Project Manager Adam Nanney
Ty No: 515

Project QC Contact Andrew Nash

Sampled by William Selby

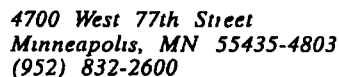
Laboratory Teklab

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <u>William Selby</u>	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Date <u>11/16/12</u>	Time <u>16:30</u>	Received by: <u>[Signature]</u>	Date <u>11/17/12</u>	Time <u>11:30</u>
Relinquished By:	On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Date	Time	Received by:	Date	Time
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other _____				Air Bill Number _____		

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy, Pink - Lab Coordinator



25/86-0006

Federal MTS

Sample Origination State M O (use two letter postal state abbreviation) Standard Testing Time

Nº 35517

Number of Containers/Preservative		COC	12	of	19
Water	Soil				
VOCs (HCl) #1		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
SVOs (unpreserved) #2					
Dissolved Metals (HNO ₃)					
Total Metals (HNO ₃)					
General (unpreserved) #3					
Diesel Range Organics (HCl)					
Nutrients (H ₂ SO ₄) #4					
VOCs (tared MeOH) #1		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
GRO, BTEX (tared MeOH) #1					
DRO (tared unpreserved)					
Metals (unpreserved)					
SVOs (unpreserved) #2					
% Solids (plastic vial unpres)					
<u>Total Lead</u>					
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		
		Project Manager <u>Adam Nancey</u> <u>Ty Morris</u> Project QC Contact: <u>Andrea Nerd</u> Sampled by: <u>William Selby</u> Laboratory: <u>TEKlab</u>	12/108/3		

#1 - Volatile Organics = BTEX, GRQ, TPH, 8260 Full List
#2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <i>William Selly</i>	On Ice? <i>Y</i>	Date <i>11/16/12</i>	Time <i>16:30</i>	Received by: <i>[Signature]</i>	Date <i>11/17/12</i>	Time <i>11:30</i>
Relinquished By:	On Ice? <i>Y</i>	Date	Time	Received by:	Date	Time
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other: _____				Air Bill Number:		

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy, Pink - Lab Coordinator

Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR

Project Number.

25/86-0006

Project Name

Federal MTS

Sample Origination State MO (use two letter postal state abbreviation)

Standard Testing Time

COC Number

No 35518

Location	Start Depth	Stop Depth	Depth Unit (m./ft. or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh.mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres.)	Total Lead	Total Number Of Containers
						Water	Soil	Grab	Comp															
1. T08ST	0	2	m	11/13/12	15:50	X			X														1	1
2. T08TT					16:00																			
3. T22NT					12:40																			
4. DUP-1					-																			
5. T100T-2					14:40																			
6. T03UT-5					11:22																			
7. T14OT-3					14:10																			
8. T16OT-2					13:45																			
9. DUP-4					-																			
10. G16OT-Depth	12	12			13:55																			

COC 13 of 19

Project Manager Adam Nanner
Ty Morris

Project QC Contact: Andrew Acid

Sampled by William Selby

Laboratory: Teklab

Common Parameter/Container - Preservation Key

#1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List

#2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs

#3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate

#4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <u>William Selby</u>	On Ice? <input checked="" type="checkbox"/> N	Date <u>11/16/12</u>	Time <u>16:30</u>	Received by: <u>[Signature]</u>	Date <u>11/17/12</u>	Time <u>11:30</u>
Relinquished By:	On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Date	Time	Received by:	Date	Time
Samples Shipped VIA. <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler				Air Bill Number		
<input type="checkbox"/> Other: _____						

Distribution: White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Project Number: 25/86-0006
 Project Name: Federal MTS
 Sample Origination State: MO (use two letter postal state abbreviation) Standard Testing Time
 COC Number: No 35519

Location	Start Depth	Stop Depth	Depth Unit (m/ft or in)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (Iared MeOH) #1	GRO, BTEX (Iared MeOH) #1	DRO (Iared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres)	Total Lead	Total Number Of Containers
						Water	Soil	Grab	Comp															
1. TO9UT-3	0	2	in	11/13/12	16:05	X		X																12/10813
2. TO9UT-2					16:35																			131
3. TO8ST-2					17:00																			132
4. TO8RT-4					16:30																			133
5. TO8ST-4					16:20																			134
6. TO20T					7:52																			135
7. TO3UT-2					11:10																			136
8. TO8ST-3					16:40																			137
9. TO9TT					16:00																			138
10. TO9UT					16:50																			139
																								140

Common Parameter/Container - Preservation Key
 #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
 #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
 #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
 #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <u>William Selby</u>	On Ice? <u>Y</u>	Date: <u>11/16/12</u>	Time: <u>16:30</u>	Received by: <u>[Signature]</u>	Date: <u>11/17/12</u>	Time: <u>11:30</u>
Relinquished By:	On Ice? <u>Y</u>	Date:	Time:	Received by:	Date:	Time:
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler				Air Bill Number:		
<input type="checkbox"/> Other: _____						

Distribution: White-Original Accompanies Shipment to Lab, Yellow - Field Copy; Pink - Lab Coordinator

Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Number of Containers/Preservative

COC 15 of 19

Water

Soil

Project Manager. Adam Nauvey
Ty Morris

Project QC Contact Andrea Nord

Sampled by William Selby

Laboratory Teklab

Project Number: 25/86-0006

Project Name: Federal MTS

Sample Origination State MO (use two letter postal state abbreviation) Standard Testing Time

COC Number No 35520

Location	Start Depth	Stop Depth	Depth Unit (m/ft or in)	Collection Date (mm/dd/yyyy)	Collection Time (hh mm)	Matrix			Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	* Solids (plastic vial unpres)	Total Lead	Total Number Of Containers
						Water	Soil	Grab	Comp	QC															
1. <u>TO8RT-3</u>	<u>0</u>	<u>2</u>	<u>in</u>	<u>11/13/12</u>	<u>16:30</u>	<u>X</u>			<u>X</u>															<u>1</u>	<u>1</u>
2. <u>G10PT</u>					<u>15:45</u>																				
3. <u>TO7QT-2</u>					<u>16:10</u>																				
4. <u>TO8RT</u>				<u>↓</u>	<u>16:20</u>																				
5. <u>T11UT-3</u>				<u>11/14/12</u>	<u>9:00</u>																				
6. <u>T12UT-4</u>					<u>9:10</u>																				
7. <u>TO7UT-2</u>					<u>7:40</u>																				
8. <u>T14TT-3</u>					<u>10:15</u>																				
9. <u>T11UT-2</u>					<u>9:05</u>																				
10. <u>T14UT-3</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>10:00</u>	<u>↓</u>			<u>↓</u>															<u>↓</u>	<u>↓</u>

Billing Instructions: Doe Run

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <u>William Selby</u>	On Ice? <u>Y</u>	Date <u>11/16/12</u>	Time <u>16:30</u>	Received by: <u>[Signature]</u>	Date <u>11/17/12</u>	Time <u>11:30</u>
Relinquished By:	On Ice? <u>Y</u>	Date	Time	Received by:	Date	Time
Samples Shipped VIA. <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other: _____				Air Bill Number		

Distribution: White-Original Accompanies Shipment to Lab, Yellow - Field Copy, Pink - Lab Coordinator



Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number:

25/86-0006

Project Name

Federal MTS

Sample Origination State MN (use two letter postal state abbreviation)

Standard Testing Time

COC Number:

No 35521

Location	Start Depth	Stop Depth	Depth Unit (m/ft or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial unpres)	Total Lead	Total Number Of Containers
						Water	Soil	Grab	Comp															
1. T11VT-2	0	2	in	11/14/12	8:55	X		X															1	1
2. T13TT-3					10:30																			
3. T12UT-2					9:20																			
4. T12TT-3					10:40																			
5. T12UT-3					9:15																			
6. T11TT-3					10:35																			
7. T13TT-5					10:30																			
8. T12ST-2					10:55																			
9. T14UT-2	↓	↓	↓	↓	10:05																			
10. T11UT-2-Depth	12	12	↓	↓	8:50	↓		↓														↓	↓	

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By:

William Selby

On Ice?

Y N

Date

11/16/12

Time

16:30

Received by:

[Signature]

Date

11/17/12

Time

11:30

Relinquished By:

On Ice?

Y N

Date

Time

Received by:

Date

Time

Samples Shipped VIA. ☐ Air Freight ☒ Federal Express ☐ Sampler

☐ Other:

Air Bill Number.

Distribution: White-Original Accompanies Shipment to Lab, Yellow - Field Copy; Pink - Lab Coordinator

Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

BARR

Project Number:

25/86-0006

Project Name:

Federal MTS

Sample Origination State MO (use two letter postal state abbreviation)

Standard Testing Time

COC Number.

NO 35522

Location	Start Depth	Stop Depth	Depth Unit (m/ft or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial unpres)	Total Lead	Total Number Of Containers
						Water	Soil	Grab	Comp.															
1. TO3RT-2	0	2	m	11/13/12	9:08	X			X														1	1
2. TO5UT-2					11:30																			
3. T16OT					13:40																			
4. T21MT					12:15																			
5. TO1PT-2					7:40																			
6. T15OT-2					14:00																			
7. TO2PT-4					7:30																			
8. T15OT					14:05																			
9. TO3PT-3	+	+	+	+	8:30	+			+															
10. T21MT-3-Depth	12	12	m	11/13/12	13:10	X			X															

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCP, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By: <u>William Selby</u>	On Ice? <input checked="" type="checkbox"/> N	Date <u>11/16/12</u>	Time <u>16:30</u>	Received by: <u>[Signature]</u>	Date <u>11/17/12</u>	Time <u>11:30</u>
Relinquished By:	On Ice? Y N	Date	Time	Received by:	Date	Time
Samples Shipped VIA. <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other: _____				Air Bill Number		

Distribution White-Original Accompanies Shipment to Lab, Yellow - Field Copy; Pink - Lab Coordinator



Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number:

25/86-00000

Project Name:

Federal MTS

Sample Origination State MO (use two letter postal state abbreviation) Standard Testing Time

COC Number:

No 35523

Location	Start Depth	Stop Depth	Depth Unit (m./ft or in.)	Collection Date (mm/dd/yyyy)	Collection Time (hh mm)	Matrix		Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial unpres)	Total Lead	Total Number Of Containers	
						Water	Soil	Grab	Comp																
1 TO3RT-3	0	2	in	11/13/12	9:12	x		x																1	12/10/13 171
2 TO6RT-2					9:05																				172
3 GO3OT					7:54																				173
4 TO4UT-2					11:25																				174
5 TO2ST-2 #6					9:50																				175
6 T14ST				11/14/12	13:20																				MS/MSD 176
7 T14RT-2					13:30																				MS/MSD 177
8 TO5KT					14:30																				MS/MSD 178
9 T14TT					10:25																				MS/MSD 179
10 T10ST-2					11:10																				MS/MSD 180

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By <u>William Selby</u>	On Ice? <input checked="" type="checkbox"/> N	Date <u>11/16/12</u>	Time <u>16:30</u>	Received by <u>[Signature]</u>	Date <u>11/17/12</u>	Time <u>11:30</u>
Relinquished By	On Ice? <input type="checkbox"/> Y <input type="checkbox"/> N	Date	Time	Received by	Date	Time
Samples Shipped VIA: <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler				Air Bill Number		
<input type="checkbox"/> Other: _____						

Distribution: White-Original Accompanies Shipment to Lab, Yellow - Field Copy, Pink - Lab Coordinator



Chain of Custody

4700 West 77th Street
Minneapolis, MN 55435-4803
(952) 832-2600

Project Number.

25186-0006

Project Name.

Federal MTS

Sample Origination State MO (use two letter postal state abbreviation) Standard Testing Time

COC Number

No 35524

Location	Start Depth	Stop Depth	Depth Unit (m/ft or in)	Collection Date (mm/dd/yyyy)	Collection Time (hh mm)	Matrix			Type		VOCs (HCl) #1	SVOCs (unpreserved) #2	Dissolved Metals (HNO ₃)	Total Metals (HNO ₃)	General (unpreserved) #3	Diesel Range Organics (HCl)	Nutrients (H ₂ SO ₄) #4	VOCs (tared MeOH) #1	GRO, BTEX (tared MeOH) #1	DRO (tared unpreserved)	Metals (unpreserved)	SVOCs (unpreserved) #2	% Solids (plastic vial, unpres)	Total Lead	Total Number Of Containers
						Water	Soil		Grab	Comp	QC														
1 TO2RT-3 ⁸⁰	0	2	in	11/13/12	10:15		X			X														1	1
2 TOTPT-2					15:08																				
3 T21NT-2					13:00																				
4 T14OT					14:15																				
5 T12UT				11/14/12	9:15																				
6																									
7																									
8																									
9																									
10																									

Common Parameter/Container - Preservation Key

- #1 - Volatile Organics = BTEX, GRO, TPH, 8260 Full List
- #2 - Semivolatile Organics = PAHs, PCB, Dioxins, 8270 Full List, Herbicide/Pesticide/PCBs
- #3 - General = pH, Chloride, Fluoride, Alkalinity, TSS, TDS, TS, Sulfate
- #4 - Nutrients = COD, TOC, Phenols, Ammonia Nitrogen, TKN

Relinquished By <u>William Selby</u>	On Ice? <input checked="" type="checkbox"/> N	Date <u>11/16/12</u>	Time <u>16:30</u>	Received by <u>[Signature]</u>	Date <u>11/17/12</u>	Time <u>11:30</u>
Relinquished By	On Ice? Y N	Date	Time	Received by	Date	Time
Samples Shipped VIA. <input type="checkbox"/> Air Freight <input checked="" type="checkbox"/> Federal Express <input type="checkbox"/> Sampler <input type="checkbox"/> Other _____				Air Bill Number		

Distribution White-Original Accompanies Shipment to Lab; Yellow - Field Copy; Pink - Lab Coordinator

Number of Containers/Preservative

Water

Soil

COC 19 of 19

Project Manager. 12/10/13 Adam Nauway Ty Morris

Project QC Contact: Andrea Abid

Sampled by. William Selby

Laboratory Teklab

12/10/13 MS/MSD 181

MS/MSD 182

MS/MSD 183

MS/MSD 184

MS/MSD 185

Billing Instructions: Do e Run